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# Volume 44

# 1939

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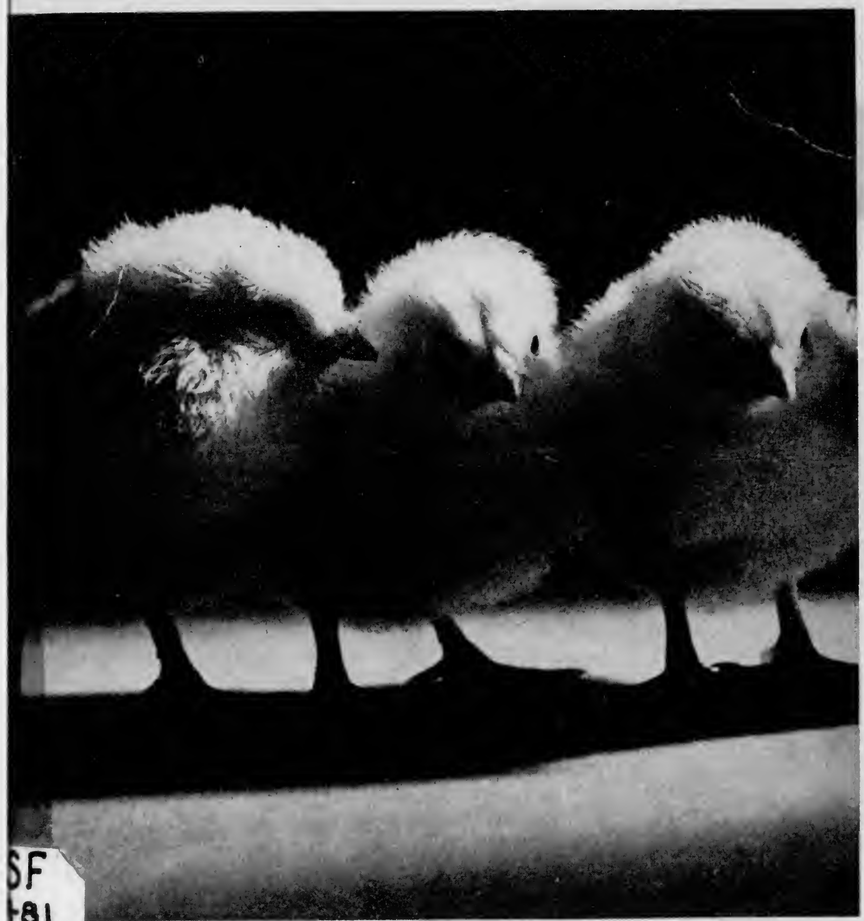
# EVERYBODYS POULTRY MAGAZINE

SF 481
E93
v. 44

10 CENTS



JANUARY 1939

CONFINEMENT BROODING BEAT THE PARASITES
Allen Bulkley

MID-WINTER BROODING NO LONGER A FAD

*Published at Hanover, Pa.*

SF
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HAPPY NEW YEAR

MUTILATED PAGE

# Put Your Farm on the BEACON System

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Plan now to start your baby chicks on the Beacon System—the system that is helping thousands of Northeastern poultrymen. Ask your Beacon dealer for full details. He has a complete stock of our latest bulletins and folders, and will gladly supply you. If you don't know his name just drop us a card.

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*We manufacture high quality specialized poultry rations for every stage in the life cycle of your birds.*

**THE BEACON SYSTEM**
*Gives Baby Chicks the Right Start!*


# Through the Editor's Specs

**Don't Forget About Quality** Poultry raisers are entering a new year with conditions that are very favorable. Egg prices have held up, feed costs continue low, and egg production is quite profitable.

Naturally, these conditions have put poultry raisers in a happy mood, and their optimism is reflected in heavier buying of baby chicks for delivery during the 1939 season. When the profits come easy, there follows this surge in chick sales.

Most poultry raisers, however, would be far better off if they did not increase their purchases, but, instead, bought chicks of better quality from the sort of breeding stock that means better production and the kind of layers that do not die so easily. Far more could be accomplished in most poultry flocks if such considerations entered more strongly into the decision of buying chicks.

**A Job to Do** Most poultry raisers work pretty much in the dark when they lay their plans for the number of chicks that they are going to purchase, or the number of birds that will be culled at a particular time. They are guided mainly by the price of feed, eggs and poultry meat at the time.

There are many poultrymen, however, who make a careful study of the statistical information on production of eggs, trends in production in various areas, receipts of eggs and poultry at the markets and other information suplied by the U. S. Bureau of Agricultural Economics. It helps them in deciding whether or not to expand operations, whether or not to put in fall chicks, and similar decisions that have to be made.

Those poultrymen who do study conditions closely feel the need for additional facts on the trends to guide them in their planning, and this has been brought out in meetings held this past year with representatives of the Bureau of Agricultural Economics and the Bureau of the Census. Both of these Bureaus are cooperative in their attitude, but they lack the funds necessary to secure and compile the additional information.

The National Poultry Producers Federation believes the time ripe for poultry producers to write to their congressmen and senators, asking them to appeal to the Director of the Bureau of Budget, Secretary of Agriculture and Secretary of Commerce for funds for the following specific purposes:

1. The Bureau of the Census is requested to complete the breakdown of poultry flocks according to size of flock per farm for 1935 and to undertake a breakdown of all poultry flocks of the United States according to size of flock per farm when the 1940 enumerations are obtained.

2. The Bureau of the Census is requested to publish in book form the final analysis of the breakdown by size of flock per farm for 1935 and 1940.

3. The Bureau of the Census is urged to adopt January 1, as the date for taking the census and to give in its final analysis of census data the average date of census enumerations.

4. The Bureau of the Census is requested to insert in the table of questions asked producers a question concerning the number of eggs produced by each flock the day preceding the visit of the enumerator to each farm.

5. It is urgently requested, therefore, that each year a few competent people be employed for purposes of enumerating census data in typical counties or areas in each state equivalent to approximately 15 or 20 per cent of the state's total poultry population, such data to be used as an indication of trends in production.

6. The Bureau of Agricultural Economics is requested to secure pertinent data on egg and poultry meat consumption by re-

[Please turn to page 35]


JANUARY 1939 **Everybodys Poultry Magazine** Vol. 44, No. 1

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.; Roland C. Hartman, Editor; Thomas E. Moncrief, Asst. Editor.

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**PEAT LITTER PAYS**

# He Sells 33,000 Pounds of *Cut-Up Poultry* Weekly

## *How Coble Grimes Built a Thriving Business Selling Dressed Poultry*

By Fred E. Kunkel

JUST 18 years ago Coble E. Grimes, at the age of 17, decided to make a fortune in the chicken business. His father was at that time in the wholesale chicken business. Grimes thought that there was more money in the retail chicken business.

He persuaded his father to give him the loan of 25 chickens, the price thereof to be paid after he had sold all of them at nearby Reading, Penna., but to his disappointment he found there were others selling dressed chickens on the market.

In fact, many had live chickens, and when people wanted them fresh, would weigh them out, slaughter them on the premises, dress them and sell them. In short, he had plenty of competition. The people who passed his stand seemed unwilling to buy. Grimes had thought as few as 25 chickens would easily sell.

### Decides to Sell Parts of Fowl

Now he didn't want to tell his father he was licked the first day, so he scratched his head and almost tore his hair before an idea was born. If ready dressed chickens wouldn't sell, maybe if he cut them up he could sell them. So he got some paper plates, piled up legs and breasts on one plate, backs and wings on another, gizzards and livers on another. The idea struck him as quite novel and interesting, so he began to proclaim his wares with all the fanaticism of the street vendor. But most of the people shopping in the market had left for the day. However, a few stragglers gathered about and Grimes found a few interested customers.

"Can we buy those legs only?" or "Can we buy just breasts?" or "Wings and backs for soup?", and he said, "Why, of course! Take your choice." The idea was not without its buying appeal and much to his surprise he was soon sold out of choice parts, so he had only to take back home those unsalable parts with little meat on them. Then he had another idea. He took these around to restaurants and made them a special price on the lot. Thus, he took home no meat, only the money the 25 chickens represented.

But this gave him an idea. He would sell cut up poultry, specialize on that. No one else was doing it. And this was the beginning of the cut-up poultry business, originated by Coble E. Grimes of Fredericksburg, Penna.

### Idea Takes Hold

He tried it again on the next market day, and pretty soon people began to talk about "why buy a whole chicken when you only want chicken livers or gizzards, or legs only for dark meat or breasts for white meat only, or parts for stewing, which were much cheaper." And so, little by little, they came and saw and were convinced and bought. At first he could only sell choice parts. He had to work it up . . . . educate the public.

He opened a bank account in the only local bank. His business gradually grew and flourished. He bought chickens from the farmers, killed them, dressed and took them to market in iced barrels. At his leased stand in Reading he cut them up and sold them as cut-up poultry.

As his bank account grew, he branched out. As his success increased the bank loaned him more money. So Grimes established new markets. Thus, his business spread rapidly from Reading to Pottsville, thence to Mt. Carmel, Wilkes-Barre, Shamokin, Shenandoah, Scranton . . . as long as 12 years ago.

### Retail Outlets Increase

The stores kept on multiplying with

[Please turn to page 33]

At 35, Coble Grimes is head of a unique poultry business which employs more than 80 people.

Six new trucks take the whole chickens, packed in ice in barrels, from the slaughter house to the stores located in the East. There, they are cut up and then put on sale.



# *Mid-Winter Brooding* No Longer a Fad

*Starting chicks early in the year is a sound business practice for the commercial flock owner. Measured in higher returns for eggs, it does pay well. Usually, there is less death loss, cockerels bring better market prices . . . but read all seven of the advantages briefly set forth here*

By O. K. Moore

UNKNOWN just a few years back, midwinter chick brooding is common practice with poultrymen everywhere today, experiments having shown its worth, and those practicing it having found it a destructive weapon against a number of enemies attacking poultrymen's profits.

In New England, relates H. L. Shrader, U. S. D. A.'s Senior Extension Poultry Husbandman, approximately 50 per cent of the annual chick crop is being brooded in January and February. These poultrymen, as well as many elsewhere, have seen midwinter brooding "pay-off" in these seven ways:

### 1. Less Mortality

In early-hatched chicks, lower chick mortality results since fewer outbreaks of certain diseases occur, and this is especially true of coccidiosis.

### 2. Better Breeding

When you buy chicks in midwinter, they are produced by the best layers in your hatcheryman's flock, for only good, high producers lay in January and February. Thus, your midwinter chicks are more likely to inherit high layability than are those hatched in spring.

### 3. Use Equipment Several Times

By brooding in midwinter, chick-rearing equipment can later be used again for spring-hatched chicks, thereby reducing the amount of brooding equipment needed. In addition, the amount of labor required for brooding will be more evenly distributed, rather than an unusual amount being demanded over a short period.

### 4. Layers at Right Time

Frequently, poultrymen find that they can carry early-hatched pullets on range for the first 3 or 4 months of their production period by using range nesting equipment, a very desirable type of which has previously been described and illustrated in Everybodys Poultry Magazine. In this way, the flock can be kept as layers for 16 months although the laying house capacity provides for them being kept just 12 months. This means that you will have double the number of layers on the farm at a time when egg prices are good . . . in July, August, September, and October. Consequently, without increasing your housing capacity, you can manage about twice as many birds for 4 months of the year by midwinter brooding!

### 5. Get More for Cockerels

When chicks are midwinter-brooded, your cockerels will be ready for marketing in late March and early April —right when prices are highest.

### 6. Chicks Grow Faster

Early-hatched chicks grow faster. Missouri Station experiments lead to the conclusion, "Earlier hatched chicks made more satisfactory growth, experienced lower mortality and a larger percentage were retained as layers. The percentage of pullets retained from hatches 1, 2 and 3, hatched February 7 to February 21, was 78 per cent as compared to 61 per cent from hatches 8 and 9 hatched March 28 to April 4."

### 7. Higher Returns for Eggs

Early-hatched chicks, when mature, lay more eggs that earn more profit than chicks hatched in spring. A Delaware poultry farms study shows that over a 3-year period, February-hatched chicks laid an average of 210 eggs; March-hatched, 191; April-hatched, 180; and May-hatched pullets laid 169 eggs. It was found, furthermore, that February-hatched pullets lay large eggs during the high price period while spring-hatched birds do not. More eggs were likewise produced by the early birds during the high price season. The average annual price received for eggs laid by the February, March, April, and May groups was 31, 30, 27, and 25 cents, respectively. The value of eggs produced per pullets was $5.47, $4.91, $4.10, and $3.61 for the 4 hatching dates.

Similar results were secured by New Hampshire poultrymen since a study made by the New Hampshire Station reveals that the value of eggs produced by early-hatched birds (Jan. 1) was 43.7 cents per dozen; by medium-hatched (March 7) birds, 42.1 cents; and by late-hatched (May 7) birds, 39.4 cents.

# Five Ways to Make Your Poultry Plant EFFICIENT

By

Thomas E. Moncrief

*Success in poultry farming depends largely on the poultryman's ability to make his plant efficient by changing and improving his methods to meet changing economic conditions. Are you making the most of your buildings, equipment, time, labor? Are you increasing yearly your birds' average egg production? Almost every college and experiment station has one or more bulletins on this subject to help you. The following points, taken from a survey reported by C. M. Ferguson, Ohio extension poultryman, are suggestions for increasing poultry plant efficiency.*

## 1

### *Strive for High Annual Egg Yields*

High annual egg production per bird cannot be over-emphasized. Records kept on 61 Ohio farms in 1937 show that flocks averaging 129.4 eggs per bird, lost 31 cents a bird; flocks averaging 158.3 eggs per bird, made a labor income $.54 per bird; flocks averaging 171.3 eggs per bird, made $1.36 per bird; and flocks averaging 192.1 eggs per bird, made $2.48 per bird. Since egg production is inherited, there is no substitute for good breeding. It is the poultryman's best investment. Good feeding, housing and care also are primary essentials.

## 2

### *Keep the Mortality at a Minimum*

Ohio figures for 1937 show that low mortality, high annual egg yield and high labor income are closely associated. In flocks with 129.4 eggs per hen, annual mortality was 32.1 per cent; in flocks with 158.3 eggs per hen, 22.2 per cent; in flocks with 171.3 eggs per hen, 15.6 per cent; and in flocks with 192.1 eggs per hen, annual mortality was 14.9 per cent of the birds. Healthy birds lay more eggs, insure greater profits. Again better breeding pays! Care, attention to details, maintenance of a rigid sanitation program are more steps to lower mortality.

## 3

### *Get Many Eggs When Prices are Up*

Egg prices are highest in October, November, December and January. Ohio's 1937 survey shows that flocks losing $.31 a bird for the year had only 36.7 eggs per bird during the four months starting in October; flocks making $.54 a bird, had 40.8 eggs per bird, flocks making $1.36 per bird, had 47.6 eggs; and flocks making $2.48 per bird, had 61.2 eggs per bird during the four months. A sound management program involving well-bred, early hatched chicks, good housing, complete rations, and use of lights is essential for getting eggs when prices are highest.

## 4

### *Keep Down Overhead Expenses*

Overhead expenses include various fixed charges, interest, taxes, insurance, investment, repairs, which must come out of current operating returns. Keeping down the overhead is strictly a matter of careful management on the part of each individual. The investment per hen must be kept within reason, although it may be false economy to try to operate with equipment and buildings unsuited to the demands of modern poultry plant efficiency. Many poultrymen have had excellent success with old barns converted into laying houses at little expense.

## 5

### *Make Best Use of Time and Labor*

Every poultryman has a different problem in the efficiency of labor on his plant. The use of labor-saving equipment such as better brooders requiring less frequent attention, automatic switches to turn on and off electric lights, litter and feed carriers, better feed hoppers and water fountains, running water, large feed storage bins in the various pens, will increase the human efficiency factor. Proper arrangement of roads, fence gates, houses, doors and equipment to shorten the chore route, and adapting feeding methods to reduce time, all help.

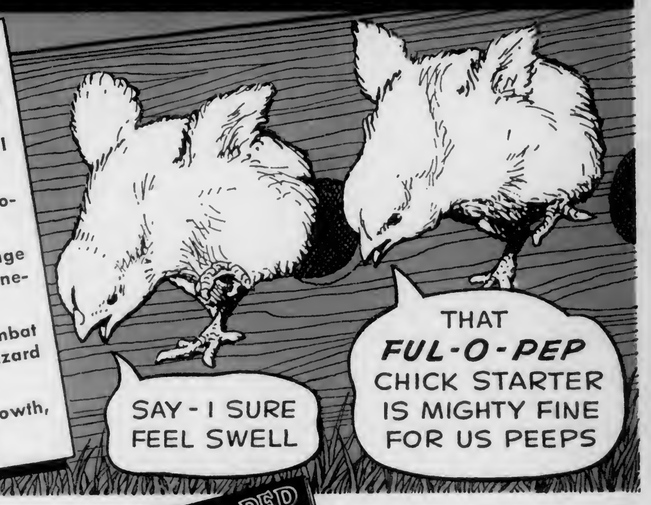
**Let the FUL-O-PEP PLAN Help Make 1939 Your BIG YEAR for Profits!**

**SAVE UP TO ⅓ TO ½ ON FEED COSTS!**

**GROW BIG, STRONG PULLETS!**

**Win Greater Profits with Ful-O-Pep Chick Starter and the Ful-O-Pep Plan**

- ✓ The chick-starter with the wonderful oatmeal base!
- ✓ Balanced in vitamins, minerals, proteins, and carbohydrates.
- ✓ Contains Concentrated Spring Range—to bring chicks certain health benefits of fresh green pasture.
- ✓ Contains food factors to help combat cannibalism, slipped tendons, gizzard lesions.
- ✓ Promotes big frames, sturdy growth, even feathering, sound health.




MAKE a big success with your new chicks this year! See them go into the laying houses next Fall, full of health and vitality—big rugged, deep chested birds, ready to lay their heads off and make you a big profit!

Follow the Ful-O-Pep Plan as thousands of successful poultrymen do, and raise a high percentage into healthy profitable pullets—YET SAVE AS MUCH AS ⅓ TO ½ ON THE COST OF FEED! Others are doing it every day and you can too, by simply following the Ful-O-Pep Plan from the first meal your new chicks have, straight through to maturity.

Place your order today for Ful-O-Pep Chick Starter. Remember, it has a base of wonderful oatmeal, Nature's outstanding food for growing bodies. Supplies precious food elements, vitamins, minerals, and food energy to make chicks thrive. Make 1939 your banner year. Order Ful-O-Pep Chick Starter from your nearest dealer today!

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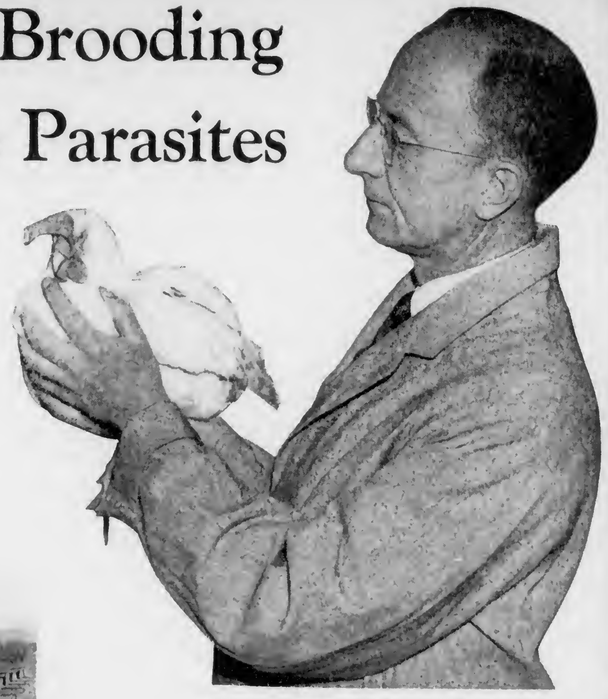
# *Confinement* Brooding Beat the Parasites

It looked as though disease would put Allen Bulkley out of the poultry business, but confinement rearing turned the trick for him. Here, he tells how he cut his losses in rearing chicks. — Editor.

By Allen E. Bulkley
Schuyler County, New York



Chicks of high constitutional vigor, plus a quality ration, are essential in confinement brooding, Mr. Bulkley believes.

Brooder houses with wire-floor sunporches on the Bulkley farm.

WE have been in the poultry business since the late fall of 1915, and during this period, all of our efforts have been devoted to the breeding of birds that would show an improvement each year in the following important features: Livability, type, size, constitutional vigor, freedom from disease, large chalk white eggs, high and higher egg production.

To accomplish our object we have followed the scientific procedure of trapnesting, pedigree hatching, progeny testing and line breeding. For 10 successive years, our results improved yearly. We raised our chicks in colony houses in flocks of 200 to 400 on clean ground each year and followed conscientiously the accepted sanitation measures as advised by our leading agricultural colleges and experiment stations.

As so often happens in this world, we were suddenly confronted with a problem of great magnitude and our own little world on the poultry farm shook and trembled.

In the spring of 1926 we started over 4,000 choice baby chicks in colony brooder houses on an alfalfa range which had never been used for chickens. These chicks were from "certified" and pullorum-tested, old-hen breeders, and our mortality for the first 10 weeks did not exceed 5 per cent in any of our brooder houses.

### Duodenal Coccidiosis Attacks

Between the ages of 10 and 11 weeks a few cases of paralysis were noted, and on microscopic examination by Dr. Brunett, Poultry Pathologist of the Veterinary College of Cornell, duodenal coccidiosis was found. In those days little was known about duodenal coccidiosis, but we made every effort to secure all available literature on the subject, and experimented with many different remedies throughout the rest of the growing period and laying year with very poor success. The mortality was high, repeated autopsies with very few exceptions showed the same condition, "duodenal coccidiosis."

The financial loss was great and discouragement greater.

Owing to the disastrous results in 1926, we decided to move all brooder houses and equipment to an adjoining farm after thoroughly cleaning, scrubbing and disinfecting each house and all equipment used in the brooding of chicks. The caretaker of the chicks did no other work. No visitors were allowed on the range, and neither the caretaker nor the writer ever went into or near a brooder house without putting on rubbers that were used for that purpose only.

Nearly $80.00 was spent for disinfectant in cleaning the houses and throughout the brooding and rearing period.

We again brooded about 4,000 chicks, and history simply repeated itself. Duodenal coccidiosis again took command, and our losses throughout the rest of the growing period, and throughout the laying year, were collosal.

### Beat the Parasites, or Sink . . .

We were determined that a way could be found to control successfully the ravages of parasites, and were unwilling to sacrifice an established enterprise and income because of a little bug that can not be seen without a powerful microscope. There was nothing to do but beat the parasites; or sink in the effort.

Our good friend, Professor Knandel, head of the Poultry Department of Pennsylvania State College sent us a bulletin that he and Professor Charles had recently published on confinement rearing. We were so impressed by the possibilities of this method that we decided to raise all of our chicks in confinement in 1928. We secured the willing cooperation of Dr. Brunett, who was and still is the head of the Poultry Disease research work at the Veterinary College in Cornell.

We equipped all brooder houses with board platforms 8 feet wide and the length of each house, made frames 2 feet high for the sides, and frames for the top 8 by 4 feet. These frames were covered with fly screen to avoid the danger of flies bringing either coccidiosis or tape worms to the chicks.

Again we started about 4,000 chicks. The caretaker wore rubbers when entering the brooder houses, and these rubbers were used for no other purpose. All brooder houses were cleaned at least once a week; and the sun porch more often than that—twice a week. A cresol solution was liberally used at each cleaning.

Following a continued rainy period during which time we found it impossible to keep the outside board platform clean or sanitary, even though they were cleaned each day, the inevitable result was an outburst of acute coccidiosis. Two methods were used in checking the outbreak. To certain brooder houses we gave the chicks a milk flush, and to an equal number we gave nothing. We did, however, clean and disinfect all brooder houses and sun porches twice each week for a period of three consecutive weeks.

### Mortality Cut to 5 Per Cent

As the days passed and our mortality amounted to less than 4 per cent of the chicks involved, our spirits and hopes began to rise; and we successfully combatted this outbreak of acute coccidiosis with less than 5 per cent loss.

The important feature to our mind in this instance was the fact that there was no noticeable or statistical difference in degree of infection, mortality, or time taken in recovery between the chicks that were flushed

[Please turn to page 20]

"Say. Will you sit still while you lay the eggs. For two weeks, we've had scrambled eggs for breakfast."

**Hall's Chicks**
Leghorns ~ Reds ~ Rocks ~ Wyandottes
New Hampshires ~ Hallcross (Crossbred) Chicks
REG. U.S. PAT. OFF.
All chicks produced from flocks tested for Pullorum Disease (B.W.D.) by the Official State Testing Agency of one of the six New England States, with NO REACTORS FOUND
Tube Agglutination tested, within the preceding calendar year
"WELL BRED FROM WELL BREEDERS"

**FREE ON REQUEST**

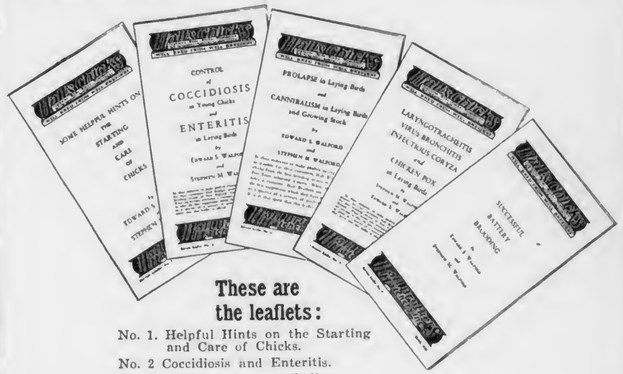
We have 5 Service Leaflets which have saved many dollars for many poultrymen. We have decided to send any of these without charge or obligation to anyone (whether or not they have ever bought Hall's Chicks) who asks for them.

"In publishing these leaflets and making them available to poultrymen, you are performing

**A Real Service to the Poultry Industry"**

says W. F. Sullivan of the New England Homestead.

These leaflets contain a wealth of the latest information to help poultrymen avoid or minimize losses from the more common causes. They are **not written by scientists**; they are written by real poultrymen who have a scientific background and training, but who can put down in everyday language the best and latest information in easily understandable form. These men are working all the time with eggs, chicks, breeders. They know their stuff, practically.




**These are the leaflets:**

No. 1. Helpful Hints on the Starting and Care of Chicks.
No. 2 Coccidiosis and Enteritis.
No. 3. Prolapse and Cannibalism.
No. 4. Laryngotracheitis; Bronchitis; Coryza, Pox.
No. 7. Successful Battery Brooding.

Please request these, or any of them, by number as listed; and they will be sent you promptly, without charge or obligation.

**American Poultry Journal says**
"A set of 'Service Leaflets' published by you just came to my desk and I'm impressed by the wealth of information they contain."

**New England Homestead says**
"In publishing these leaflets and making them available to poultrymen, you are performing a real service to the poultry industry. The authors of these leaflets are well known and well recognized as competent authorities to write on such subjects."

**Pennsylvania Farmer says**
"The 'Service Leaflets' as issued by Hall Brothers Hatchery, Inc., are very concise and interesting. We are very sure they will prove most helpful to poultrymen."

**Poultry Item says**
"I want to say a word about your Service Leaflets. The subjects are not only carefully chosen, but the treatment is so sound and without bias that I feel you deserve a great deal of credit for supplying your customers and friends with a service of this kind."

**Poultry Tribune says**
"It is our opinion that these represent a great constructive service and reflect the vision of your outstanding institution."

**Cackle and Crow says**
"The booklets are simple, yet comprehensively written and are in such form as to be easily filed and readily accessible. This is one of the finest things I have ever seen a hatchery do for its customers."

**Quality chicks since 1911. "Never a week without a hatch" since 1927. Pullorum free by State test since 1928.** Each year we sell more chicks than ever before. **We ship prepaid and guarantee 100% live delivery.** Catalog and Price List free. **Tel. Wallingford 645-5.**

**Hall Brothers Hatchery, Inc.**
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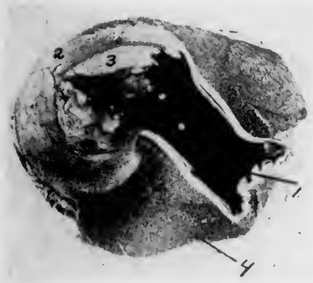
# Mold Diseases in Poultry

## *A Discussion of a Group of Diseases Which Include Brooder Pneumonia, Vent Gleet, White Comb, Air Sacs, and Others*

By Dr. B. F. Kaupp




A cut through a gizzard affected with mycosis. 1, inner cavity of gizzard; 2, wall diseased; 3, cheesy canker; 4, normal muscular wall.

MOLD diseases are called by scientists Mycosis. Some of these molds closely resemble the molds found in decaying apples or other vegetables and on decaying meat. A mold spot in an air sac of a hen or turkey has the same appearance as a mold spot on vegetation. Some of the molds causing disease changes, form from the common mold, and take on an appearance between that of mold and yeast and can be seen only under the microscope.

The harmless molds cause decay of dead matter, either animal or vegetation, from plants to trees.

Like bacteria, there is another group, the disease producing molds. Scientists have discovered six molds that cause disease in poultry.

### Three Types of Molds

These molds may be divided into three disease producing groups.

**The first,** includes those molds that cause brooder pneumonia and molds of the air sacs of adult birds.

**The second,** includes those molds that cause diseases of the digestive tract.

**The third,** includes those molds that cause diseases of the skin surface. These molds live through the unfavorable conditions of weather by forming small round spres (seeds). These "seeds" are the elements that are carried into the lungs and air sacs also taken in through the feed and water the bird eats and drinks. The spores also find their way to suitable spots on the skin where they take hold and disease follows. Researchers of recent years have shown many diseases, that for years baffled the serviceman, as to cause and what to do for them, were due to certain kinds of mold.

### Mycosis of Digestive Organs

The organs of the digestive tract affected may be the mouth, crop, proventriculus, gizzard and the small intestine.

When you open the mouth of a chicken that has mold disease of the mouth, it will appear as thin cheesy sores from the size of a pin head to as large as a dime, on the mucous membrane lining the mouth. These patches must not be mistaken for nutritional roup which shows a small amount of cheese in an inflamed eye and small millet-seed sized pus balls all along the surface of the lining of the esophagus. Once you become accustomed to seeing the diseased parts in each disease there will be no danger of confusing the two diseases.

In some few cases, it has been observed that the mold affection of the mouth forms a thin film over the larynx at the upper end of the windpipe causing distress in breathing and the bird extends its head upward into the air, gasping because it is suffocating from lack of air.

Such cankers may easily be mistaken for wet pox cankers; however, in wet pox, usually there is more or less evidence of dry pox lumps and sores on the face, comb and wattles.

Such sores that can be reached should be swabbed, using a cotton swab, dipping it in a strong antiseptic, taking care not to get the medicine on the surrounding normal mucous membrane. In swabbing push off the cheesy mass. Repeat morning and evening till results are obtained. Too often we do too little treatment and expect it to do too much, then we are disappointed.

When a bird is having trouble eating, swallowing, or breathing, it is always good practice to catch that bird and look down its throat to see if there is any obstruction or trouble of the upper respiratory organs. These sores are found further down the digestive tract and are caused by two other varieties of molds.

In a general attack upon the digestive tract, one of the first symptoms we may notice is that of a watery discharge from the nose, the bird sniffles, and if the head feels stuffed up and tight, the bird may throw its head, sneezing in an effort to throw out the offending material.

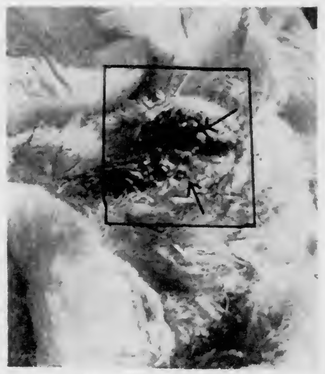
In this stage, this condition can be mistaken for head colds, or, we may say it is one of the causes of head colds (Don't forget the other causes such as bacteria, etc., for colds). A bird in this condition will be much benefitted for the head trouble if the head cavities are syringed out morning and evening with an inhalant spray. Such birds should be taken away from healthy producing birds as millions of the germs are expelled daily from the affected parts.

### Symptoms of Affected Birds

As the disease progresses the individual chicken or turkey shows an unthrifty appearance, a diarrhea develops and later becomes greenish in color. It has an offensive odor and sticks to the vent fluff below the anus. Later the bird becomes thin in flesh, may become lame, and if in a flock of laying hens there will be low egg production and possibly a heavy death rate. In a herd of turkeys, it may throw the whole flock out of condition and take a toll in deaths of many of the poults unless promptly put under control.

### Internal Appearance

On opening the bird dead of intestinal mold disease (Mycosis) there will be observed canker sores in many of the organs.



Cheesy canker of anus and cloaca (vent gleet). Indicated by arrows.

**In young chicks,** in the later brooder period and after they no longer need heat and are turned out on range, small spots the size of a wheat grain, sometimes dark in color, are found on post mortem, and when the lining of the gizzard is peeled out, there will be found that the ulcer has eaten deeper into the gizzard wall.

**In adult hens,** cocks, or pullets the crop wall may appear like cobwebs spreading over the inner surface. In other cases, there are deep ulcers of the mucous membrane lining the crop with thickened raised edges. These ulcers may be quite large. In some cases, an area of wrinkled dead lining dark in color may be seen in contrast to the part not attacked. The proventriculus is quite often attacked with deep ulcers, the glands in the wall of the proventriculus become swollen, due to the infection, and contain a cheesy material. The lining of the gizzard becomes dry and may have a burned appearance, the ulcerated part extending through the lining pad into the muscular layer of the wall.

**In turkeys** there may be quite a quantity of very foul smelling fluid in the crop indicating an indigestion, the material is not passing. Ulcers appear extending deep into the crop wall. The proventriculus and gizzard may be ulcerated similar to that described as occurring in the chicken. In many outbreaks in turkeys and pullets, especially in the summer and fall, there may be a very red fiery inflammation of the small intestine, especially of the free portion.

Medication against molds can be given through the drinking water or if it is in powdered form it can be given through the mash. Some poultrymen use the acid base treatment, giving it either in wet mash or in the water. When given in metal pans, such pans should have two or three coats of acid resistant asphalt paint.

### Mycosis of Skin

One variety of mold attacks the skin causing so called bare backs. The mold attacks the body of birds over six weeks old. The infection penetrates the feather pits, gradually destroying the quill, resulting in the feather breaking off, leaving a bare spot where an area is affected from which the condition gets its name "bare back."

### White Comb

Another species of mold attacks the head, comb and wattles and later extends down the neck. The mold penetrates the skin, gradually branching out until there is a large scabby area.

Treat the affected parts with an antiseptic diluted in water. The parts can be swabbed with a cotton swab or a tooth brush.

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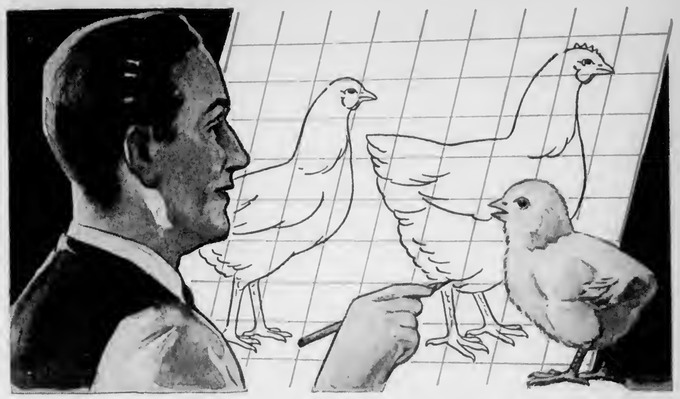
Oklahoma is developing a breed of midget cows. Maybe the day will come after all when bossy can sit on those condensed milk cans. — L. I. City Star.

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*HEALTHY, QUICK MATURING*

No gambling when you buy our chicks. Profits assured through 39 years constant flock improvement and sound breeding principles. Breeders bloodtested.

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## Demand for Sexed Chicks Has Increased Greatly

While sexing of chicks created a lot of interest five and six years ago, relatively few eastern hatcherymen, outside of some large operators, offered sexed chicks for sale. Since that time, there has developed a growing demand for sexed chicks, and this year, a number of breeder-hatcheries will be found offering them for sale.

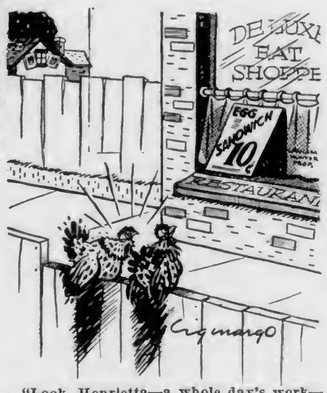
Although sexed chicks usually bring more than double the price of straight-run chicks, the savings in labor, fuel, feed, housing space and equipment seem to more than offset the additional cost. By having only half as many birds as usual to care for, the danger of crowding is usually reduced, and better pullets can be grown.

The technique of sexing seems to have improved to the extent that hatcheries are now able to make a guarantee of 95 per cent, and very seldom have any trouble in maintaining that accuracy. A lot of novices attempted to sex chicks at first, but they have been pretty well sifted out. The large hatcheries have their own staff of sexers, but in some sections, expert chick sexers serve a number of hatcherymen and breeders, going to each client on scheduled days.

## Check Over Your Nests

Now is a good time to check over your housing conditions to be sure you have sufficient nests for your layers. Too few nests cause crowding, breaking of eggs, and laying on the floor. Provide a nest for every five or six layers.

If you are investing in more nests or are replacing old worn out nests, you may find that durable metal nests will serve your purpose best. These are an important part of the modern equipment used by John Keller, Lancaster County, Pa., poultryman. He prefers these to other kinds of nests because they are easier to keep clean, an important feature in producing quality eggs, as he does.

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**CHICKS**

329 Eggs, 355 Pts. 1936 Penna. Test

Buy Dependable Quality Leghorn Chicks, Backed by 21 years of Progeny Tested Breeding for Livability, Large Eggs, High Average Egg yield and Large Body Size. Strictly an Established Breeding Farm.

**PRODUCTION** Champion White Leghorn hen and pen in official laying tests, 1936. Best average, 5 pens, all breeds, 1935.

**EGG SIZE** Highest official egg size, all breeds, for the United States in 1936 with an average of 25.29 ounces per dozen.

**LIVABILITY** Carey Leghorns are bred for a long life of profitable production. You save by cutting replacement costs.

✓ **ORDER YOUR CHICKS NOW**
Send for "Carey Chick News." Contains valuable hints. Write today!

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**WORLD'S OLDEST & GREATEST**
STRAIN OF BARRED PLYMOUTH **ROCKS**

50TH ANNIVERSARY CATALOG FREE—tells how from a small flock of 16 birds in 1889—the Parks Strain has developed into the most popular and widely known Rocks. THE ONE STRAIN THAT

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Pioneers as Contest Winners, also customer Certified Laying Reports up to 357 eggs in year, 148 eggs 148 days, Laying at 113 days, Flock averages up to 271 eggs. . . Make good everywhere—in cold ALASKA, hot VENEZUELA, far-away BURMA, all over the U. S., in fact wherever Livability, Quick Growth, and Heavy Laying are appreciated.

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4000 guaranteed pullorum clean breeders. Hatching Reds, Barred Rocks, Crosses, White Rocks weekly. CATALOG FREE!
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# Everybodys Poultry Partner

Enclose a 3-cent stamp for reply when writing to Poultry Partner, Everybodys Poultry Magazine, Hanover, Penna.

### Tattooing Poultry

Q. — Will you please tell me how to brand poultry by the tattoo method?—F. L., Pa.

A.—A poultry tattooing outfit consists of a punch containing dies for outlining your own special brand, indelible ink or tattoo oil and a brush. The dies make a distinct mark in the web of the bird's left wing and the ink makes this mark remain permanently the rest of the bird's life. Tattooing may be done by the flock owner himself and is painless to the chicken. The tattooing system is the most successful method of marking poultry for identification in case of theft.

### Age of Birds for Laying Tests

Q.—When are the chicks hatched for the laying contests, and how old are they when they are entered?—W. H. R., Pa.

A.—The date at which breeders hatch their chicks to be entered as pullets in the laying tests depends entirely upon the age at which the particular strains mature. Most heavy breeds take a little longer to mature than most light breeds, and the various strains of the same breed vary in the length of time necessary for the birds to develop fully.

It is up to the individual breeder to decide how soon he must hatch his chicks in order that they can grow and mature and be ready to shell out the eggs at a fast rate starting October 1, the opening date for all standard laying tests. All birds entered are pullets, approximately six months old, in all tests except the Vineland, New Jersey, Hen Test and the Pennsylvania Hen Test which contain birds having laid a year or more prior to the time they are entered.

### Marketing Capons

Q.—Will you tell me at what age capons are marketed, and at what season of the year?—B. H., Ill.

A. — Although it takes from 8 to 11 months to grow and finish capons properly, they are marketed according to weight more than to age. Many markets classify capons into two weight groups: those weighing less than 7 pounds are in the light class, and those weighing more than 7 pounds are in the heavy class. It is generally considered more profitable to market capons when they weigh 7, 8 or 9 pounds, as soon as they are fat and prime, because they fail to make economical gains after that time and are likely to become "staggy."

The demand for capons usually lasts from Thanksgiving to Easter, and there is often a scarcity of prime roasting chickens during the period between New Year's Day and Easter, so that capons generally have a ready market at that time.

### Wants Double-Yolked Eggs

Q.—Can you tell me if there is any breed of chickens that lay a double-yolk egg? If so, will you please let me know the breed and where I can buy chicks. A friend of mine buys eggs from a man who guaranteed every egg a double-yolk. —C. B., N. J.

A.—As V. D. Chamberlin of the Ohio Experiment Station pointed out in the

*Fertilizer?*
**Railroads need it too!**

SOMEWHERE around 200 million dollars are spent each year by American farmers for fertilizer.

That is a lot of money when you look at it in total. But it's mighty well spent, when you consider what would happen to the land without it.

Now railroads are something like farm lands. They need "fertilizer" too. They need to have money put back into them, if they are going to keep on giving the finest transportation service in the world.

Even during the past eight years—which were lean ones for railroads—about 2¾ billion dollars have been "ploughed back" into developing better service and more efficient operations. This is over and above the more than 9½ billions spent during the same period for maintenance of roadway and equipment—all of which has made possible faster, safer and more dependable freight and passenger schedules.

When you look at figures like these, you can see that railroads need more than bare running expenses. Unless they can keep on making improvements, their cost of doing business will go up and their service to farmers and other shippers will go down.

That's why the railroads have worked out a program which calls for such common-sense treatment as this:

*Treat the railroads as a business. Give them reasonable freedom to "price" their only product — transportation service. Give them greater freedom to adjust rates to meet competitive situations, to adjust services to the demands of traffic; and to adjust expenses to the condition of their business. And give them equality of treatment and opportunity — equality with other forms of transportation in matters of regulation, taxation, subsidy and the like.*

You'll find the whole program interesting. Send for your copy today.

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**Mrs. Atz Guarantees You That When Better Chix are Hatched, ATZ'S Will Hatch Them**

**Flocks Bloodtested for B.W.D. and Typhoid fall of 1938, the most dreaded disease in baby chicks.**

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When Mrs. Atz was 11 years old she operated one incubator of 270 eggs, which hatched 240 fluffy Barred Rock Chix. All her neighbors marveled at this success. Our output now of 200,000 chix weekly should enable you to get service.

We hatch all Popular Varieties.

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Pullets delivered after March 1st will be $3 per 100 higher.

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New England's outstanding LOW prices on 100% New England **Pullorum Clean** chicks, rich in the LARGE egg size high production breeding of some of New England's finest strains. Thousands of breeders sired with R.O.P. males. Doubly guaranteed—100% live arrival, high livability. From an incubation standpoint, the healthiest, hardiest and most livable chicks that modern incubation, science and sanitation can produce. Big Leghorns, Barred Rocks, real New Hampshire and R. I. Reds as hatched or sex guaranteed day-old pullets and males. Sex-linked and Rock-Red Crossbreeds. BIG DISCOUNTS on early orders **Write today for FREE CATALOG that tells all.** Postcard will do.

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Every Chick from 26 to 28 oz. Eggs

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THIRTEEN GENERATIONS OF OLD HEN BREEDERS back of every chick. Insures high livability in the laying pens. Officially state tested for pullorum. GET FREE CATALOG. EVERY EGG PRODUCED ON OUR OWN FARM.
32 Years Service to New England Farms
5% DISCOUNT ON ORDERS BOOKED THREE WEEKS IN ADVANCE FOR JANUARY AND FEBRUARY CHICKS.


August-September issue of Everybodys Poultry Magazine, "Records kept at the Maine Experiment Station have shown that two-tenths of 1 per cent of the eggs were double-yolked over a long period of time. Some hens have a tendency to lay double-yolked eggs, but the big majority never lay anything but normal single-yolked eggs."

As far as I know, there is no breed, variety or strain of chickens which lays a larger proportion of double-yolked eggs than any other breed, variety or strain.

Poultrymen who operate large commercial egg farms, get a limited number of double-yolked eggs, and it is probably from such a source that your friend is able to purchase double-yolked eggs. These abnormally large eggs naturally bring a higher price on the market, but they could not be used for hatching purposes and although breeders and hatcherymen do select their eggs carefully for large egg size, they do not try to produce any strain which will lay a larger number of the double-yolked eggs.

### Feeding Musty Flour to Hens

Q.—We have some pastry flour that got a little musty during some wet weather last Fall. Would it be safe to feed this to hens?—W. L. S., N. Y.

A.—I would not advise feeding musty flour to your chickens. It is not a safe practice to get rid of spoiled products of this nature which cannot be used otherwise by feeding them to laying hens. Not only would the ration which you are feeding be thrown off balance, but your birds are likely to be seriously injured by poisoning.

### Value of Poultry Manure

Q.—Will you kindly advise how much manure will be produced by 100 birds like Rhode Island Reds in 30 days, not taking into consideration the litter used? Also, what would this be worth per ton or per 100 pounds?—M. L. B., N. Y.

A.—Usually, 100 birds will void 10 to 12 pounds of droppings during the roosting period of 11 or 12 hours in the winter time. Thus, taking an average of 20 pounds of droppings a day per 100 birds, you will get approximately 600 pounds in 30 days. This does not take into consideration any litter which is used.

The value per ton or per 100 pounds of poultry manure depends almost entirely upon the situation and location of each individual poultryman and upon his ability to get a good price for it. As you have probably noticed in previous issues of Everybodys Poultry Magazine, there are a great number of poultrymen who sell manured litter at a profit.

Two brothers in Maryland, for instance, operating a 1700-bird poultry farm, have found that by using peat litter, and by screening and bagging the droppings and litter, their original cost of the litter was more than offset by their manured litter sales. They put the manure up in bags of 25 to 30 pounds for which they were able to obtain 50 cents a bag. Of course, manured litter sold in lots of 100 pounds or a ton would not bring as high a price proportionately, but not as much work would be required to handle such an amount.

### Turkeys With Roup

Q.—Will you please let me know what to do with turkeys that get a swelling just below the eyes? They seem to be sick but eat fairly good. We have lanced this swelling and there is a thick whitish liquid that comes from the cut.—N. D. R., Cal.

A.—The disease affecting your turkeys probably is roup. This is most prevalent in the spring and fall. First indications are usually sneezing and watering of the eyes and nostrils. A few days later the eyelids may become stuck together by mucus. The cleft of the mouth also may become clogged and the sinuses under the eyes may become filled with an accumulation of mucus.

In cases not too severe, nasal passages and sinuses may be cleaned out, using a nasal syringe filled with a good disinfectant especially for this purpose. Two persons can do this job best in the shortest time.

You mention that you have lanced the swellings, and it would be good to force the white, thick liquid or mucus out as often as it forms there. If the matter becomes cheesy, remove as much as possible with a pair of forceps, cleaning the inside with a good disinfectant solution when you have finished. All cheesy matter and mucus must be removed from the sinuses for them to heal.

Unless you have a large number of birds affected with roup, separate the sick birds from the rest of the flock. Keep your drinking fountains as clean as possible since these are an important source of infection. By keeping the houses dry and keeping the birds out of cold weather and rain as much as possible, you can control this disease.

### Breeding Turkeys

Q.—Can you tell me how many turkey hens I can keep with one tom? I have seven hens and would like to know if that is too many for one tom?—Mrs. G. R., Pa.

A.—Unless you find that your turkey tom is quite selective in his mating and will not mate with all of the seven hens you have, you certainly should be able to obtain good fertility by having one male for seven females. Good fertility and hatchability have been obtained from flock matings which had as high as 16 hens to one male, although 10 or 12 hens to each tom would be a more desirable proportion.

## *The Situation* BRIEFLY REVIEWED

**Egg prices** have fluctuated greatly during the past month. Wintry Thanksgiving weather boosted prices somewhat, but they have receded during the middle of December. Nearby special whites on December 19 were 35 cents a dozen at New York City, compared with 31-32 cents a year ago. Nearby special browns on December 19 were 34 cents, compared with 31 cents the same day last year. Mixed color firsts sold for 27½ cents on December 19 this year, and 25-26 cents a year ago.

**Egg production,** indicated by receipts at the four major markets (New York, Chicago, Boston and Philadelphia) from November 1 to December 10, was 11.9 per cent less than that for the same period a year ago.

**Egg consumption,** as shown by the trade output at the four leading markets from October 29 to December 10, was 11.6 per cent below that for the same period last year.

**Cold storage holdings of shell eggs** on December 1 were 46.0 per cent less than those for the same day a year ago, and 40.8 per cent less than the December 1 five-year average, 1933-37. Total case equivalent of both shell eggs and frozen eggs on December 1 was 40.0 per cent less than that of December 1, 1937, and 23.5 per cent below the December 1 five-year average, 1933-37.

**Total frozen poultry holdings** on December 1 were 8.3 per cent greater than those of December 1 last year, and 8.9 per cent greater than the five-year average, 1933-37.

# PENNSYLVANIA FARMS HATCHERY
LEWISTOWN • • • PENNA.

**STATE SUPERVISED-OFFICIAL BLOOD-TESTED CHICKS**

**10 YEARS' BREEDING Under Supervision of PENN. STATE DEPT. OF AGRICULTURE**

**All Breeders Officially Selected and Blood-Tested**

For 10 years, we have carried on a program of poultry breeding improvement which has resulted in better and better chicks. Every Pennsylvania State Supervised Breeder is individually selected, leg-banded, and blood-tested by the Pennsylvania Department of Agriculture.

**Laboratory Accuracy in Blood-Testing**

Blood-samples are sent to the State Laboratory at Harrisburg where they are tested by the reliable tube agglutination method. This LABORATORY ACCURACY is your protection against Pullorum (B.W.D.), assurance of chick health.

B. C. Raffensberger
Owner and Manager

**SEX-SORTED LEGHORNS** Pullets or Cockerels
**SEX-LINKED HAMP-ROCKS** Pullets or Cockerels

SPECIAL
20-Day Extension
CASH ALLOWANCE
**ORDER NOW—SAVE $5.00 per 1,000**

Owing to the many inquiries received, we have decided to extend until Jan. 21st, our Cash Allowance of $5.00 per 1,000, or 50¢ per 100, or ½¢ per chick.

This applies on orders accompanied by 1¢ per chick deposit.

OUR NEW CATALOG
The finest we have ever issued, is now ready. It describes our poultry improvement program, the largest in the State, supervised by the Pennsylvania Department of Agriculture. Write today . . a postal will do.

**STATE SUPERVISED QUALITY AT 9c PER CHICK**

Pleased customers in 20 States have been buying our State-Supervised Chicks in ever increasing numbers. Our annual output now exceeds 1,250,000. Producing Quality Chicks in such vast numbers, we are able to quote astonishingly low prices on our State-Supervised Grade-A Chicks, starting at 9¢ per chick.

**CHICK PRICES**

Following prices are for delivery right now until April 30. On orders booked before February 1, deduct ½ cent per chick Cash Allowance. Chicks will be shipped any date you specify. You may include two or more shipping dates if you desire, up to July 31.

| Prices per 100 in lots from 100 to 5,000. | | Grade-A Matings | Special Matings |
|---|---|---|---|
| WHITE LEGHORNS—"Big Type" | | $ 9.00 | $10.00 |
| SEXED LEGHORNS | —PULLETS 95% Accurate | 18.00 | 19.00 |
| PULLETS or COCKERELS | —COCKERELS 95% Accurate | 3.50 | 4.00 |
| NEW HAMPSHIRES | | 9.50 | 11.00 |
| BARRED ROCKS, WH. ROCKS, WH. WYANDOTTES, R. I. REDS | | 9.50 | 10.50 |
| HAMP-ROCK SEX-LINKED CROSS | PULLETS (From U.S. Approved Breeders)—95% Accurate | 13.50 | 14.50 |
| PULLETS OR COCKERELS | COCKERELS (From U.S. Approved Breeders)—95% Accurate | 9.50 | 10.00 |
| ROCK-HAMP BROILER CROSS—Both sexes BARRED | | 10.00 | |
| HEAVY ASSORTED—No Leghorns—no weaklings | | 7.50 | |

Add ½c per chick to above prices on orders for less than 100
Send 1c per chick deposit, balance C.O.D.

We PREPAY the POSTAGE and GUARANTEE 100% Live Arrival

**PENNSYLVANIA FARMS HATCHERY, Inc.**
BOX E, LEWISTOWN, PENNA.
*"Largest State Supervised Hatchery in Penna."*

Send for this FREE Illustrated CATALOG

NEW WHITE EGG Sensation

AMERICAN WHITES the "ALL AMERICAN" HYBRID

Large White Birds with Yellow Skins laying Chalk White Eggs. Hybrid vigor increases disease resistance resulting in higher flock averages and longer laying life. Chicks for Demonstration Flock purposes at Special prices. "PROOF OF CUSTOMER'S PROFITS" — FREE.

OSBORNE RESEARCH FARM
BOX 19 HOLLAND, MICHIGAN

Peckham FARM Reds

High grade, bred-to-lay stock at farm-profit prices. Practically non-broody, and

GREAT LAYERS

We've bred this strain for 14 years
OVER 4000 BIRDS
Pullorum Clean for years and years
You'll be pleasantly surprised at our most reasonable prices for Sexed and Straight-run
CHICKS and EGGS
PECKHAM FARM, Free Circular
3142 ACUSHNET AVE., NEW BEDFORD, MASS.

GOVE'S Barred Rocks

No need to buy sexed pullet chicks to get a laying flock. Gove's Barred Rocks will make excellent layers, and the cockerels can be sold off as broilers at top prices. Gove's Rocks are bred for quick development as well as large eggs. So you can get broiler profits as well as egg profits. Livability, health, vitality, state testing, size and egg production are all explained in our free catalog. Get one today and order early. Don't delay.

EXTRA EGGS MEAT HEALTH LIFE

GEORGE C. GOVE BOX E RAYMOND, N. H.

BROODER $4.80

For $4.80, including heater, you can make the simplest, most satisfactory, and best brooder ever made. No tools needed but knife and shears. Wind-proof, fire-proof, fool-proof. Thousands in use. Directions for making easy to follow. Send 10¢ for plans.
I. PUTNAM Route 115-B ELMIRA, N. Y.

MOSS FARM

Grand Old Strain Trapnested 25 Years
R.I. REDS
Special Prices on Special Matings
Write for free folder and prices
MOSS FARM, Box E, Attleboro, Mass.


Please Mention Everybodys When Writing Advertisers

# This Month With Your Flock

### Give Your Chicks Room

The value of enough floor space per chick can't be emphasized too greatly. One successful poultryman feels that less than one square foot of space per chick is crowding. And 250 chicks to one brooder stove are quite enough for best results. You'll have stronger, better developed birds if you keep these facts in mind when brooding.

### Work Your Plan

Poultrymen are often told to "plan their work and then work their plan." Not a bad idea! Every other organized business has a schedule for doing things. Now, the first of the year is a good time to take inventory, see what you have accomplished during 1938, and arrange your program for 1939. Of course, changes will be necessary as the months come and go, but a good general plan will make the road easier and shorter to a more successful year.

### Start Your Chicks Early

Egg prices during July, August and September average about 3 cents a dozen higher than those of December, January and February. Since it takes five to six months for birds to mature and six to eight weeks for egg size to reach its top level, you'll have to start your chicks early if you want to reap these higher prices. January and February hatched chicks bring extra profits.

### Three Chicks for Every Pullet

Unless you start sexed chicks, plan on three chicks for every pullet you will put in the laying house. This allows a leeway of 50 per cent for cockerels and 17 per cent for losses through mortality and culling. It pays to make sure of enough good pullets. Empty laying houses pay no dividends.

### Figure Your Fencing Needs

January is a good month to figure out just how much new wire fencing will be needed next spring and summer. It's a good plan to order this in advance so you will have it when you want it. Don't forget the handy steel posts that can be easily driven into the ground and quickly pulled up when you want to move the fence. These are especially good for poultry fences.

### Try an Egg Grader

If you are marketing any quantity of eggs, you can increase your poultry profits this year by cutting down on the time and labor for grading eggs. Many poultrymen are saying goodbye to the old hand grading and are turning to mechanical egg graders. After using them once, they say they wouldn't be without them.


ROUP and COLDS Knock Egg Production

Guard against egg losses from roup and colds! Spray laying hens regularly with Dr. Salsbury's Cam-Pho-Sal—a favorite of poultry raisers everywhere. Get a bottle today.

FREE BOOK! 36-page "First Aid to Poultry." Ask your local Dr. Salsbury dealer or write us.

Dr. Salsbury's Laboratories Charles City, Iowa

Dr. SALSBURY'S CAM-PHO-SAL

Mrs. C. D. Daugherty (Ohio) reported
PULLETS LAYING 70% AVERAGE
Through cold winter and zero weather

Others write, "My Gerig Leghorns laying over 60% in December," "average 80% through winter," "I won A.P.J. Pullet Contest." Five direct Tom Barron importations enrich this big English-type Leghorn. Parent stock B.W.D. tested. SPECIAL DISCOUNT ON WINTER ORDERS for later delivery. Send postal now for FREE catalog and price list. Do you prefer sex-sorted or straight-run chicks? Write R. A. Gerig (see picture), Manager.

Gerig's Leghorn Farm
Box 5 AUBURN INDIANA

A.P.A. REGISTERED
AND DOUBLE PULLORUM TESTED
CHICKS

Judge C. W. Burgess President

Assures our customers of better breeding, better livability, quicker developing chix. Flocks under personal supervision of APA Judge. Eggs individually graded and weighed,—we set only 2 ounce eggs and up, which guarantees BIGGER, HUSKIER and BETTER chix. Write for catalog, and remember

"Burgess Chix are Better Chix"

BURGESS HATCHERIES, INC., Bowling Green, Ky

NEDLAR FARMS NEW HAMPSHIRES Bred for PROFITS
BE SURE of PROFITS with CONTEST-WINNING STOCK

Our Pen at Connecticut Contest for 1938 holds the record for the breed with 3434 eggs, 3685 points. High hen had a record of 314 eggs, 345 points, beating old record. Send for Free Catalog. 1939 Prices Now. Nedlar Farms, E. N. Larrabee, Box 170, Peterborough, N.H.

BABY CHICKS
ALL LEADING BREEDS
SEXED PULLETS (95% ACCURATE) COCKERELS (GOOD BROILERS)
Get our latest Catalog describing these money making Breeds. Quality stock and satisfaction guaranteed.
ULSH POULTRY FARM & HATCHERY
Box E. Port Trevorton, Penna.



*Join the Dollar Hunt*
Turn to Page 49




### Watch Out for Rust!

A rusty stove pipe can be considered fire enemy number one! The heat will soon wear a hole in a weak, rusty spot. It doesn't pay to chance with a pipe that is not in good condition. The cost of a new section, or a whole new pipe, is lots cheaper than the cost of replacing a house, equipment and flock of chicks. And your time spent can't ever be replaced! Be sure your pipes are in good shape.

### Keep Door Steps Clean

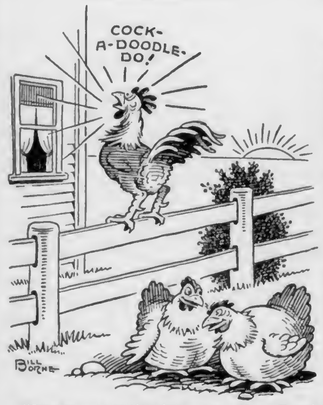
No other place on your farm is more treacherous than icy door steps. Keep them free of snow and ice this winter. Spread sand or cinders on them when necessary to make a firm footing. Don't take a chance of falling with a case of eggs in your arms, smashing the eggs and breaking an arm or a leg.

### More Turkeys Being Graded

Since turkey grading under government supervision was begun 10 years ago, the quantity of dressed turkeys graded has increased annually, according to Thomas W. Heitz, marketing specialist, U. S. Bureau of Agricultural Economics.

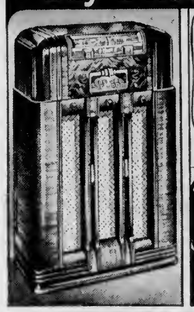
Approximately, 30,000,000 pounds are now graded each year. The percentage of those which qualified for the top grades has increased annually. In some states, where barely half the crop reached U. S. Prime grade at the beginning, between 70 and 80 per cent now qualify for this grade, and it is not unusual in some states for more than 90 per cent of the turkeys sold by grade to be U. S. Prime.

A New York newspaper hints that Justice Pecora turned "chicken-hearted" in the Hines trial, but urges that Mr. Dewey, in the next trial, should keep back of the fowl line.




"Steve's substituting for the Boss's alarm clock while it's being repaired."


Buy a New Radio With Red Rose Feeds



"I started 400 chicks on
RED ROSE STARTING FEEDS
and at nine weeks had broilers that weighed 3 lbs. At 11 weeks one weighed 4 lbs., 7 oz. I lost only 4 chicks. A second lot of 400 produced pullets weighing 2 lbs., 2 oz. at 6 weeks, with none lost. The growth was even and uniform. From now on I'm starting all my chicks on RED ROSE STARTING FEEDS." (Name on request.)

Progressive Dealers Carry Eshelman Feeds

JOHN W. Eshelman & SONS
ESTABLISHED 1842
SALES OFFICES: LANCASTER, PA. CIRCLEVILLE, O.
MILLS: LANCASTER, PA. YORK, PA. CIRCLEVILLE, O.



*See Guarantee of Advertisers on Page 18*

SEE ACME DISPLAY
At
BOSTON POULTRY EXPOS. Booth 39-40
PENN. FARM SHOW Booth 762-763

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Investigate ACME LAYING CAGES
They cost you less per year!

HERE'S a superior laying cage designed especially for the commercial poultryman. It's built to last. Strong, sturdy construction lowers production costs per year. Many time-tested features assure efficient service and save both time and labor. Before you spend a dollar, see and compare ACME. Its better design and construction will save you real money. Investigate. Mail coupon for Free folder.

ACME BRIDGEPORT COMPANY, *Div. of the Acme Shear Co.*
1561 Railroad Ave., Bridgeport, Conn. EPM-1
Send full information. I am interested in laying cages for_____ birds. I already have_____ birds in cages.
*Name*_____
*Address*_____

Ohio U.S. Certified
WAYNE
HIGH PRODUCTION BRED
LEGHORNS

**Every Chick Sired by an R.O.P. Pedigreed Male that is the son of a trapnested High Egg Record Dam**

There are many reasons why you'll want Wayne Leghorns in 1939 ● 12 years under Ohio R. O. P. Supervision ● All birds officially culled, legbanded, and bloodtested by state inspectors ● No guesswork — breeders trapnested and selected for large egg size, steady winter egg production ● Every chick sired by high record R. O. P. pedigreed male.

**Customer Averaged 204.3 Eggs per Year Over 10 year Period**

". . . We enclose production records for the past 10 years on pullets raised from 1000 Wayne chicks bought yearly. Our average was 204.3 eggs per year over the 10 year period. . ." — Halfred Farms, Chagrin Falls, O.

**WE USE BIG EGGS to Hatch Your Chicks**

All of our Ohio U. S. Certified Chicks are hatched from eggs averaging over 24 ounces to the dozen. They are carefully selected for shape, color and shell texture. Don't take chances with inferior quality! Send your order in today for Wayne Baby Chicks and watch your profits grow!

**WHO PAYS THEIR BOARD?**

Wayne Chicks pay their own board! Yes—it costs us more to breed and maintain WAYNE quality, but these sturdy Ohio U. S. Certified Chicks are BETTER BRED. Customers everywhere report they are easier to raise and turn in nice fat profits each year.

**SURPRISINGLY LOW IN COST**

Try to equal WAYNE breeding at our price! Folks tell us it just can't be done. One reason we are able to offer so much value for so little money is that we own and personally manage our breeding farm. Write for free catalog and prices. Don't buy ANY chicks until you see WAYNE values.

**SEXED CHICKS:** We can supply sexed chicks from any of our matings. Sexed 95% accurate.

**WAYNE POULTRY FARMS** W. J. BUSS Box 126 **Wooster, Ohio**



**HEIZER'S "CHICKS of Distinction"** 90% SEX GUARANTEE

**OUR QUALITY CHICKS**

**Won $112.50 2nd prize in American Poultry Journal 1938 chick growing contest. Plan to buy your chicks from Heizer's in 1939**

Mr. George Rice bought 166 chicks from us. Raised all of them. Average weight when 10 weeks old 2¼ pounds. Our High Quality Chicks along with the excellent care given the chicks enabled Mr. Rice to win 2nd prize in the National Contest. Buy our chicks and let us enter you in the 1939 contest.

R. C. HEIZER

| STANDARD MATING (NON-SEXED) | 50 | 100 | 300 | 500 |
|---|---|---|---|---|
| Barred, White, Buff Rocks, White & Silver Laced Wyandottes, R. I. Reds, Buff Orpingtons, Buff, Black, White Minorcas, Rhode Island Whites | $4.40 | $7.75 | $22.95 | $37.50 |
| Anconas, Blue Andalusians (three colors), S.C. Buff, Brown, Black & English White Leghorns (large type) | 4.15 | 7.25 | 21.45 | 35.00 |
| Black Australorps, White Giants | 4.90 | 8.75 | 25.95 | 42.50 |
| Heavy Breed Sexed Day-Old Pullets (except Giants & Australorps) | 4.40 | 7.75 | 22.95 | 37.50 |
| Heavy Breed Day-Old Cockerels | 4.75 | 8.50 | 25.20 | 41.25 |
| Ancona & Leghorn Pullets | 6.40 | 11.75 | 34.95 | 57.50 |

AAA Matings $1.00 per 100 chicks higher than above prices.
Heavy Assorted, $6.75. Light Assorted, $5.75. Leghorn or Minorca Cockerels, $1.75. Light Assorted Cockerels, $4.00.
NOTE: PULLET PRICES $3.00 per 100 chicks higher when shipment is made after March 1 regardless of when order is placed.

We guarantee 100% live delivery. Postage Prepaid. Write for 1939 calendar-catalog showing complete prices.

DISCOUNTS ON EARLY ORDERS

**HEIZER'S QUALITY HATCHERY, Dept. S, New Albany, Indiana**



**For Your Protection . . .**

we guarantee actual subscribers against loss due to fraudulent misrepresentation by any of the firms or individuals whose advertisements appear in Everybodys Poultry Magazine. All we ask is that you mention Everybodys Poultry Magazine when answering advertisements, that you order during the month in which the ad appears and that you inform us within 30 days of any loss due to fraudulent misrepresentation of the advertiser, giving full particulars. We cannot, however, adjust losses due to faulty management by the purchaser or guarantee the accounts of honest bankrupts.


## $25.00 Reward Paid for Evidence on Thief

Keen observation, plus a well-founded suspicion, earned a $25.00 reward for Emery Shall, a poultry raiser in southeastern York County, Pa., when he furnished the evidence which led to the arrest and conviction of a poultry thief. It was the first reward to be paid under the offer originally announced by Everybodys Poultry Magazine in its September, 1938, issue.

Last August, John Miller, Sr., Route 7. York, Pa., lost about 55 Reds, and no trace of them had ever been found. While he had been the owner of a registered tattoo brand for over four years, he had neglected to actually mark his birds and had depended upon the sign for his protection. When the loss was reported to the state police and investigation was without results, it was suggested that he mark the balance of his chickens in case there would be further visits by thieves.

Since that time, Mr. Miller thought that he was losing a few birds from time to time, but felt that someone was stealing them to eat, and he did not notify the police.

### Suspicions of Regular Visits

Over at the Cross Roads general store, recently taken over by O. C. Love, several boys brought in small lots of Red pullets from time to time. Mr. Love is not a poultry dealer, but buys chickens in small quantities to meet his store needs. These birds were of such good quality that he decided to sell them to some of his customers in the community who might be interested in getting a few more layers, since egg prices had gone up. Emery Shall had purchased 14 birds, Chas. Keener bought three, and Mr. Love kept a few himself.

The unusually fine condition of the birds and the regularity of the visits of the boys aroused the suspicions of Mr. Love, and he expressed doubts to Mr. Shall. On December 6, the boys brought in three more birds, and Mr.

John Miller, Sr., whose birds were recovered because they had been marked with his individual brand.

Emery Shall, whose suspicions caused him to take down a license number, is the first person to earn the $25.00 reward announced by Everybodys Poultry Magazine several months ago.

Shall took down the license number of the car, reporting his suspicions to the York sub-station of the Pennsylvania Motor Police.

### Birds Were Marked

When Privates C. W. Lutton and F. R. Stutts, who have had previous experience in tracking down poultry thieves, examined the birds which Mr. Shall had purchased and banded before putting with the rest of his flock, they found the birds marked with the brand, "BCP," and their records showed that it belonged to John Miller, R. 7, York.

A net was laid that evening to catch the thieves, but they managed to evade it, and the boys brought in three birds on Thursday. Arrest of John Silk, Jr., and two companions followed on Friday morning, but Silk absolved his companions of any responsibility. He had been employed by Mr. Miller for two years. Mr. Miller was quite surprised when he was asked to come and identify 25 of his chickens, but he found that the mark belonged to him.

The York sub-station of the Pennsylvania Motor Police has been particularly active against chicken thieves. Last spring, officers from this sub-station made the arrest of a thief who had stolen 800 partly grown turkeys from a number of growers.

### Identification Important

While thousands of dollars worth of poultry is stolen every year, police officers are hampered in their efforts to catch the thieves, because poultry is hard to identify. Even many of those poultry raisers who do have a registered brand for marking their poultry fail to make use of it. In this instance, the actual marking of the poultry proved to be the undoing of a thief who would have been difficult to catch otherwise.

---

Judge—"What do you know about your neighbor's reputation for honesty?"

Rastus—"Nothin', Jedge, 'ceptin' if Ah was a chicken, Ah'd roost high."—Case & Comment.


**BIGGER PROFITS WITH SPRUNGER SEXED DAY OLD PULLETS OR COCKERELS**

ELAM SPRUNGER
America's Leading Chick Sexing Authority

**Step up Your EGG PROFITS . . .**

Start with SPRUNGER day-old SEXED pullets. Step up your profits by eliminating the expense and labor of feeding a large number of cockerels. Raise a flock of LAYERS . . . get egg production and make more money. Sprunger SEXED pullets are a profit paying investment for another reason . . . they're *bred* for large egg production.

**My Own Special Leghorns**

Direct from my personal flock of 4000 Big, English Type breeders . . . with many records of 250 eggs or better, mated to males from R.O.P. Dams with records of 250 eggs. Winners at 1937 Michigan Egg Laging Contest. Also large Breeding Flocks on my own farms in New York, Ohio and Pennsylvania.

**There's a SPRUNGER Plant Near You . . .**

Ready to supply you with Sprunger SEXED day-old pullets or cockerels at low prices. This is the day of SPECIALISTS. With Sprunger SEXED chicks you can specialize for extra profits in egg production.

**Mail Coupon Today . . .**

*. . . to my nearest plant for my NEW, FREE CATALOG and early season, special low prices. Get my choicest chicks . . . make more profit . . . mail the Coupon NOW.*

Also Plant at Coopersburg, Pa.

***Get My Big Early Order Discount***

Save money by writing for my BIG EARLY ORDER DISCOUNT at once. Don't wait until this Special Early Discount Expires. Get your order in ahead of the rush . . . ACT NOW.

**REMEMBER ALL SPRUNGER BREEDERS ARE BLOODTESTED**

CHICKS FROM $6.90 UP

**Free CATALOG—LOW PRICES**

Get my new Catalog today. Learn all about the Sprunger bred chicks with which thousands of smart poultry raisers are making extra egg and meat profits. Get my Low Prices . . . and Big Early Season discount Offer on both Sexed and straight run chicks. Extra low prices on Sexed Cockerels. Mail the Coupon today.

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Main Office: FORT WAYNE, INDIANA
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**ELAM SPRUNGER**
Dept. 35
FT. WAYNE, INDIANA
COOPERSBURG, PA.—BINGHAMTON, N. Y.

Dear Sir: Please mail me your new 1939 Catalog, low prices and Special, Early Discount at once.

Name _____
Address _____
City _____
State _____

Photo, Courtesy U.S. Dep't Agr.

Hen Suffering from infectious laryngotracheitis finds breathing difficult

The Only Original Approved Vaccine

**Vineland INFECTIOUS LARYNGOTRACHEITIS VACCINE**

**EGG-PROPAGATED VACCINES FROM THE LABORATORIES OF THE LEADER**

Our Tracheitis and Pox Vaccines are propagated INSIDE incubated eggs where contamination is impossible. They are safer and better—eliminate all danger of transmitting other poultry diseases.

For the past six years, our Tracheitis Vaccine has been prepared under the supervision of the Experiment Station where this product was developed and approved.

For the prevention and in case of outbreaks of tracheitis, use—

**VINELAND LARYNGOTRACHEITIS VACCINE**

**100 Dose Bottle, $2.50 500 Dose Bottle, $10.00**

The further spread of Pox and Canker in birds that are in production can be prevented by using:—

**VINELAND PIGEON POX VACCINE**

**100 Dose Bottle, $1.25 500 Dose Bottle, $5.00**

For Whole Blood Rapid Method Test for the detection of Pullorum Disease (B.W.D.) use—

**VINELAND STAINED ANTIGEN**

**100 Test Bottle, $.50 500 Test Bottle, $2.00**

Send for Bulletin 185 and other helpful literature.

*United States Veterinary License No. 196*

**VINELAND POULTRY LABORATORIES**
Dr. Arthur D. Goldhaft, V. M. D., Director
Box 70-C Vineland, N. J.

**CONTACT HEAT ELECTRIC BATTERY - $25.90**
Real contact heat in big 3 deck Starter saves chicks and current. 5 deck $39.90, also gas or oil heated for less.

**COMPLETE BROILER PLANT - $47.95**
Includes three deck starter with Contact Heat and big four deck Finisher. Produces 30 Broilers weekly.

**SUPER-VALUE BROILER BATTERY - $26.75**
All heavy galv. steel assembly on casters, four decks 24 in. x 48 in. Holds 100 big 2 to 2½ pounders.

**MORE $$ from MAKOMB "Magic Belt" HEN CAGES and BROILER PLANTS**

Great new Laying Cages with Magic Belts—easy erection—massive frame—perfect design—more convenience—more capacity in any building and—low prices. Also Magic Belt Finishing and Developing Batteries—Broiler Plants, Heaters, etc. Magic Belt cuts your labor in half. Big folder mailed free—Write today.

The Makomb Line 72 Madison Ave. Macomb, Ill.
World's Largest Mfr. of Brooders

**NEW HAMPSHIRE CHICKS**

Popular breed. R.O.P. stock. Ask for free paper, "Pine Top Poultry Tales." Will help any poultryman. Postal will do.

W. E. Goodson
Tamworth, N. H.

**PINE TOP POULTRY FARMS, Inc**

**LAKEVIEW ANTIGEN TESTED CHICKS**

| | 100 |
|---|---|
| White and Brown Leghorns, Reds, White and Barred Rocks, Mot. Anconas | $ 9.00 |
| White and S. L. Wyandottes | 10.00 |
| White or Black Minorcas | 12.00 |
| Brahmas, Black or White Jersey Giants | 13.00 |

STARTED CHICKS, 1 wk., $12-100; 2 wks., $16; PULLETS all ages. We hatch all year around.

LAKEVIEW POULTRY FARM & HATCHERY
Box E, Madison, N. J.

**MAPLE LAWN CHICKS**

100% live del. Postpaid.

| | 100 | 500 | 1000 |
|---|---|---|---|
| White Eng. Sexed Leg. Pullets | $12.00 | $60.00 | $120 |
| N. H. Red Pullets | 9.50 | 47.50 | 95 |
| Bar. Rock & S. C. R. I. Red Pullets | 8.50 | 42.50 | 85 |
| White Leghorns | 6.50 | 32.50 | 65 |
| S. C. R. I. Reds & Bar. Rocks | 7.00 | 35.00 | 70 |
| New Hampshire Reds | 8.00 | 40.00 | 80 |

Day Old Leghorn Cockerels $3.50-100; Heavy Ckls. $6.50-100. H. Mix $6-100; L. Mix $5.50. Breeders Blood Tested.
Maple Lawn Poultry Farm, Box B, McAlisterville, Pa.

## *Separate Sexes*

Better growth as a result of less crowding is the principle reason why it pays to separate the cockerels and pullets as early as possible. Learn how it is done by sending 6 cents in stamps to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., asking for a copy of Brieflet BG-70, "How to Separate Pullets and Cockerels Early."

## *Confinement Brooding Beat the Parasites*

[Continued from page 9]

and whose runs and porches were cleaned twice a week, and the pens where simply the cleaning was employed.

This fact drove home to us with more force than ever before the truth of the old statement that "an ounce of prevention is worth a pound of cure." It was apparent that we lacked at least a fraction of an ounce of prevention and concluded that we would have better control of the hazards of chick raising if we equipped our board platforms with six inch frames covered with hardware cloth. We did this in the early summer of 1928, and there was no repitition of acute coccidiosis in our later hatches.

### Healthy Pullets on Wire

In the fall of 1928 we housed the healthiest pullets we had been able to raise since 1925. Everyone who saw them was impressed by their appearance, activity and apparent well being. Egg production increased at a normal and sustained rate, and we felt without question that our trials and tribulations were over. We decided that it would be a wise move to equip all brooder house floors with wire platforms as we had done with the sunporches for the brooding season of 1929.

To equip the brooder house with wire floors, we constructed wooden frames of 1 by 6 inches dressed boards in sections that could be easily removed for cleaning, and covered them with hardware cloth. The frames were painted with two coats of a good preservative to prolong the life of the wood, as well as to avoid the danger of red mite infestation. Since that time every chick raised on this farm has been started and reared on wire floors until maturity.

The procedure followed in the care of the chicks is the same as though litter were used, except for the fact that all wire near and a little under the hover should be covered with paper for the first few days. This paper acts as a blanket and the chicks are more contented.

Fundamentally the system used in 1938 is the same as when started the wire floors in 1929. The improvements we have been able to make have been in the fields of management and nutrition.

### Must Have Good Ration

Chicks raised in confinement show more quickly the bad effects of rations of poor quality ingredients or one lacking in sufficient and proper vitamins and minerals. Because of our experience we wish to call particular attention to the advisability of feeding chicks and growing birds raised in confinement no mash ration that is not based on quality rather than on a price basis. The difference in cost of feed per chick is negligible, and is more than made up by the number of chicks raised of superior vigor, health and size.

In the first few years of raising our chicks in this way little attention was paid to the feeding of grit. Experience proved conclusively that one of the most important organs of a bird's body is the gizzard, and to neglect it or to ignore it is about as foolhardy a thing to do as to wantonly neglect the proper care of the teeth of our children.

It is important that chicks receive grit from the time they are first fed, and it is also necessary to be sure that the grit used is an insoluble grit, otherwise, there is great danger of upsetting the calcium phosphorus ratio of the chick mash.

We feel that chicks should have grit with their first feeding, and our practice is to thoroughly mix 5 pounds of chick size insoluble grit with each 100 pounds of feed. When chicks are four weeks old we put grit of the proper size in 3-foot feed troughs and as soon as they eat the grit from this trough readily we discontinue adding it to the mash.

If chicks have access to all the grit they will eat when they are very small then some of them will consume so much grit that it will kill them, and others will not eat any.

### Toe and Feather Picking

The problem of toe and feather picking with young chicks can become a very serious matter and cause severe losses.

This is particularly true where wire floors are used, but this vice can be controlled, so that it does not prove serious either in young chicks or growing birds.

By painting the window panes of the brooder houses red, and running as low a temperature as possible and still keep the chicks comfortable, there will be very little trouble with that vice when they are young.

For some years, we had difficulty in


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THIS double-action grit begins saving money for you the minute you start to use it. It grinds the feed *and* furnishes lime for bones and eggshells—does the work of *both* shells and grit. Two jobs for the price of one.

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Christie customers have learned the secret of making more money from poultry. That secret is SPIZZERINKTUM—extra vigor and vitality in the stock that shows in higher livability, faster growth, earlier maturity and heavy production with minimum mortality in layers.

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WHITE LEGHORNS
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**B-B Vitamized COMPLETE STARTER RATION gives LARGER PROFITS-**

**In Big Flocks-**

Have fed B-B to a large part of the 6000 chicks we raise annually, also tried other mashes. Figures prove B-B gives best results on all counts with least mortality and most stamina.
Hoepfl's Poultry Farm, Perkiomenville, Pa.

**In Medium Flocks-**

650 Barred Rocks, 5 weeks old, 3 died; most gratifying results from B-B Complete Starter Ration; not a result that was unfavorable -- feathers, pigmentation, ruggedness, all 100%.
Vera Jones, Andreas, Pa.

**In Smaller Flocks-**

On March 10th we got 300 White Leghorn Chicks. At 8 weeks of age, had lost only two. At 8 weeks the cockerels averaged 2½ lbs. Have used several good feeds but have had best results with B-B Complete Starter Ration.
Gene Rehler, Allegany, N. Y.

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B-B Complete Starter Ration will give your chicks the sound foundation needed to carry them thru to a profitable maturity. The high vitamin potency, accurately balanced mineral content and excellent choice of quality proteins assure the maximum in livability, health, growth and profit. You'll make more money if you feed B-B!

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**FREE** feeder with every 50 chicks

**PEDIGREED SIRE CHICKS** like the above in leading popular breeds. Before you put a dollar into chicks, see SUNSHINE Customer results. WE HATCH YEAR AROUND. QUICK, *safe* delivery anywhere. Write for FREE CATALOG *and early order discounts.*

CHICKS NOT SEXED LOW AS.... $5.90 PER 100

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**QUALITY CHICKS**

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| White Leghorns | $6.50 |
| AA Grade Wh. Leghorns | 7.75 |
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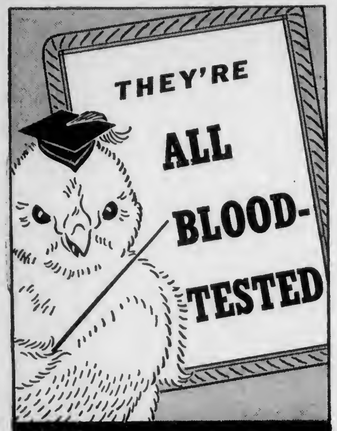


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KEEN POULTRY EQUIPMENT CO. Dept. E Vineland, N. J.
MAKE MORE MONEY


controlling cannibalism in the growing pullets, and although we tried clipping the top of the beaks of the birds, as well as painting the tail feathers and vent with a distasteful but non-poisonous preparation, the benefits were only temporary.

However, there is no longer need of worry from that cause, as there are devices on the market to attach to the beaks of the birds that are very effective preventive agents, and these may be put on the birds at nine or ten weeks of age if necessary.

### Simple Methods Followed

In the feeding of the chicks and growing stock we follow as simple a system of care as is consistent with good brooding practices. For the first five or six weeks a good starting mash is kept before the chicks all the time. At six weeks of age we start feeding a medium sized chick grain shortly before chicks start to roost. A small amount is fed at first, but gradually increased until at nine weeks grain is kept before them in hoppers all the time as well as the mash.

It is our opinion that it is wise never to allow the hoppers to become empty. Empty hoppers mean idle chicks. Idle chicks may start toe or feather picking.

The ratio of grain to mash fed from nine to ten weeks on depends upon the brand of feed used and the advice of the manufacturer of same.

As the pullets show signs of developing combs they are put in their permanent laying quarters, with close attention paid to housing only pullets of equal appearance and development. This work is done in exactly the same way as though the pullets had been raised on range. We have no hesitancy in advocating our method of confinement rearing to all poultrymen who find it more difficult each year to raise strong and healthy pullets on range.

### Two Essentials for Confinement

This method will grow excellent birds of any breed, as well as turkeys, but there are two fundamental necessities that we cannot over emphasize.

The first one—chicks of high constitutional vigor.

The second one — feed throughout their lives compounded solely on a quality basis.

Chicks of low constitutional vigor fed a ration based on price, no matter what the analysis, means loss and heartache.

*Undecided on Breed?*

If you are planning to change to another breed or variety this year, perhaps you should read Brieflet B-50, "Which Breed?" It will help you in arriving at the proper decision. Send 6 cents in stamps to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.


Step up EGG PROFITS by feeding NAVY BRAND Super-Solid POULTRY MILK

The ratio between egg prices and feed costs is more favorable right now than it has been in years. Get the very best production from your flock this winter by feeding Navy Brand Super-Solid Poultry Milk daily.

Navy Brand is rich in those vitamins and minerals which build the sound, healthy birds that are the best producers. Leading poultrymen everywhere endorse Navy Brand Super-Solid. Increases egg production and fertility. Guards against and checks disease. Is low in cost.

GET A BARREL OF NAVY BRAND FROM YOUR DEALER, TODAY. If he does not have it, send your order with your dealer's name direct to:

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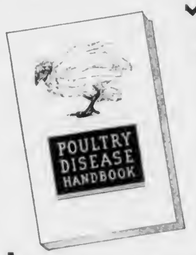


STOP Losing Money from Disease !

NEW 108 PAGE BOOK

One out of every four hens put in the laying houses in the fall is dead before the year is out . . . Hundreds of empty poultry houses, representing thousands of dollars of capital, are standing idle due to disease. Each increase of 1 per cent in mortality adds one-third of a cent a dozen to the cost of producing eggs. Each hen that dies represents a loss of at least $1.25 in cash!

Tells What to Do

To provide poultry raisers with a guide that will supply practical information on the control of common poultry disease and shed more light on other diseases about which there is more to be known, the editors of Everybodys Poultry Magazine have compiled this POULTRY DISEASE HANDBOOK of 108 pages. It contains the recommendations of many of the leading authorities on poultry diseases. One new idea on the control of disease obtained from this book may be worth $50 or more to you!

GET YOUR COPY ABSOLUTELY FREE!

You can obtain your copy of this new Poultry Disease Handbook by sending $1.00 for a 4-year subscription to Everybodys Poultry Magazine, and we will send you a copy of the book with our compliments. If you are a subscriber and do not wish to extend your present subscription, you can obtain the Poultry Disease Handbook by sending 50 cents. Act now, before it's too late!

Everybodys Poultry Magazine
DEPT. 89 HANOVER, PA.




# World's Poultry Congress News

**Short Course Planned for Congress**—A six-day poultry short course is being arranged for farm and commercial poultry producers, to bring them the latest information on feeding, breeding, management, hatchery problems, flock improvement and marketing. One day will be devoted to each of these subjects at the World's Poultry Congress in Cleveland, July 28 to August 7.

H. H. Alp

The faculty for this short course will consist of internationally - famous poultrymen, authorities on particular subjects about which they will speak. Monday, July 31, first day of the short course, will be devoted to feeding. Topics to be discussed will be a feeding schedule for year-round egg production, observations on the feeding habits of chickens, feeding practices that are helpful in growing good pullets, lowering feeding costs on turkeys, and vitamin and mineral requirements in poultry feeding.

The noted English breeder, Tom Barron, has been invited to speak on the second day, when breeding problems will be considered. Practical poultry breeding, experience in breeding for livability, type variations in White Leghorns, modern trends in breeding and judging, experiences in breeding for high egg production will be discussed.

Points on poultry management, featured on Wednesday, will include the practical and satisfactory poultry house, year-round brooding, winter management of layers, and efficiency factors in poultry management.

Hatchery problems will be discussed Thursday, and flock improvement practices will be featured on Friday. Trends in turkey marketing, egg auction advantages and disadvantages, opening middle western markets to quality eggs, marketing poultry with egg records, and consumer trends are among the marketing problems to be covered on Saturday.

H. H. Alp, Illinois poultry extension specialist is chairman of the committee planning this short course program. Other members of the committee are G. T. Klein, extension poultryman at Massachusetts State College; W. H. Allen, New Jersey State Secretary of Agriculture; D. M. Rutherford, Pacific Rural Press; J. A. Hannah, Michigan State College; H. C. Knandel, head of poultry department at Pennsylvania State College; C. E. Rohde, University of Missouri; J. E. Ivey, extension poultryman, Alabama Polytechnic Institute; J. B. Hayes, University of Wisconsin.

**James E. Rice**, general chairman of the Poultry Congress, was scheduled to be one of the speakers at the American Farm Bureau Federation's annual convention, held in New Orleans, La., the second week in December.

**New Hampshire Poultrymen Prepare Book for Congress** — Dr. R. C. Bradley, extension poultryman at University of New Hampshire, and a committee of 20 New Hampshire poultrymen are preparing a 100-page booklet to be published by the New Hampshire Poultry Growers' Association, showing the development of New Hampshire's $8,000,000 poultry industry, featuring the development of the New Hampshire breed. More than 25,000 copies will be given out at the Congress in Cleveland.

[More news on page 46]


You Get Double Protection with NOCK'S SNOW HILL CHICKS

HAROLD E. NOCK
Owner and Manager

Maryland-U.S. Approved
Officially Tested for Pullorum (B.W.D.)

1. All Breeders have been individually handled and culled for vigor, health, production qualities and standard disqualifications by a qualified State selecting agent.

2. The work of the selecting agent is checked by an authorized inspector from the Maryland State College of Agriculture.

This work has been done annually for four successive years. The result is steady improvement of our breeding flocks. Chicks from such flocks are bound to be of superior quality.

EVERY BREEDER—MALE and FEMALE—HAS BEEN OFFICIALLY TESTED and FOUND FREE from B.W.D.

*NOCK Offers You The Best Chick Buy in America Today!*

MARYLAND--U. S. APPROVED CHICKS AT PRICES AS LOW AS 9c PER CHICK IN 1,000 LOTS

10 MONEY-MAKING BREEDS and CROSSES — NOCK'S CHICKS FAMOUS FOR QUALITY — 15,000,000 CHICKS Since 1929

Famous
MARYLAND BARRED ROCKS
Maryland has always been known for its Barred Rocks. Nock's flocks are among the finest in the State. Ideal dual purpose strain, bred for both meat and eggs.

HI-QUALITY WHITE LEGHORNS
Heavy Layers of Large, Chalk-White Eggs
Custom-made for the commercial egg producer. Start a brood now; bank bigger egg checks next fall and winter.

Rugged Native NEW HAMPSHIRES
Our strain came direct from New England and has been bred to retain its natural vigor and stamina. Customers frequently report flock averages of 180 to 200 eggs per bird.

NOCK-CROSS BARRED HYBRIDS
From Barred Rock males mated with New Hampshire females. The ideal broiler and roaster cross. Very fast growers.

NOCK'S SEX-LINKED HYBRIDS
Day-Olds--95 per cent Sex Guaranteed
PULLETS for large, brown eggs; COCKERELS for BARRED broilers and roasters. Sexed Nature's way.

*Also* R. I. Reds — White Wyandottes
Wh. Rocks—Buff Rocks
Jersey Black Giants

10 Years Scientific Breeding
4 Years under Maryland-U. S. Approval
Since 1929, our customers have bought 15,000,000 NOCK'S SNOW HILL Chicks, and many have come back for larger and larger lots, proving that these Chicks piled up profits.

Greatly Pleased—Will Repeat
"I am so well pleased I feel I must tell you. Your chicks were the best I have ever seen come from hatcheries. Only one casualty. Thanks a lot; and you can be assured of a repeater."—Fred C. Trax, Easton, Md.

Another Pleased Repeater
"On May 27, we received from you a shipment of the best chicks which we have ever received from any hatchery. We are satisfied as to quality and as soon as we start fall brooding, you will get some more business from us."—S. E. Abbott, Java Village, N. Y.

Plans To Increase Orders
"I never saw prettier or healthier chicks. If they continue to come in like this lot, we will gradually increase our orders."—Verona E. Brown, Washington, D. C.

SAVE 5% TO 10% by Ordering Your Chicks Now
Our Early Order Discount permits substantial savings. Act now and cut your chick cost.

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# Colds in Poultry Quickly Relieved

**Wheezing, Rattling and Choking Disappear Usually Within 48 Hours**

Readers with colds in their flocks should read this letter from a Kentucky poultryman, Thomas Pulliam. He says:

"I have had birds with their eyes closed from colds, and have saved them all. One cockerel was nearly dead. He lost 5 pounds. I gave him Group-Over and in two weeks he was full of pep and fighting every rooster on the place. Why do people let their birds die? It's so easy to save them with Group-Over."

It is amazing how quickly Group-Over checks colds in poultry. A few drops in the nostrils usually solves the whole problem—while a little in the drinking water, as a preventive, guards the whole flock. For a liberal supply, send 50¢ (or $1 for the extra large size) to Burrell-Dugger Co., 525 Postal Station Bldg., Indianapolis, Ind. As Group-Over must satisfy you perfectly or money refunded, it costs nothing to try.

BETTER ...EGG PRICES!

Eggs show up large, inviting when packed in SELF-LOCKING Cushion Cartons. Cushioned protection eliminates breakage. Ventilation safeguards flavor. Colorfully printed with your brand name. Send for free samples.

A FEW USERS
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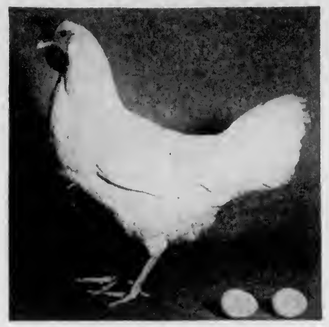
Beck's Warm Floor Brooder
brings chicks through at lowest cost

Wonderful, proven colony brooding system for all poultry and broilers. Warm in coldest weather. Safe, sanitary. Takes place of $50.00 brooder house—capacity 150 chicks. Few cents weekly runs it. Build it yourself, quickly, easily as thousands have. Endorsed by leading poultrymen everywhere. Plans, heater $4.25 postpaid. Write for illustrated, free folder. R. L. Beck, Box A3, Sullivan, Wis.

Fifty-eight eggs in 48 days is the record of this Leghorn pullet in the nutritional laboratory of Kasco Mills, Inc., of New York. W-19, as this bird is designated, laid her first egg on November 2 and by December 19 had produced 58 eggs. She skipped three days during the period, but laid two eggs each day 13 times. When she lays two eggs in one day, the second egg is generally smaller, but is quite normal in other respects. She has laid one soft shell egg.

## Cement-Sawdust Concrete Has Many Advantages

A new type of concrete, composed of cement, sawdust and water in definite proportions for use in construction of poultry house floors, has been developed at the University of New Hampshire, according to Russell R. Skelton, associate professor of civil engineering there. The material looks the same as ordinary cement-sand mortar except that it is light and fluffy, weighing about one-third as much as ordinary concrete. For the mixture recommended for most poultry house floors, 1 volume of cement to 3½ volumes of sawdust, the strength will average 300 to 400 pounds per square inch.

Several years of experimentation and research show that this new material is an excellent insulating agent, is water repellent, can be easily finished to a smooth surface, is fire resistant and will not support combustion. Tests prove that it will withstand temperatures as high as 250 degrees without detrimental effects. One of its novel features is that it can be cut with an ordinary saw after it has hardened, and it will hold nails or screws.

A table has been worked out by Mr. Skelton, giving the amount of water to be added per bag of cement, depending upon the weight of the sawdust. The following are a few recommendations offered by him for the placement of a cement-sawdust concrete floor in the poultry house:

1. Inspect, repair and thoroughly clean the floor on which the concrete is to be laid.

2. Assemble all materials before starting.

3. Be sure water content is right and remains so throughout the mixing operations.


**Mount Fair Reds**

*For the last 5 Years*

**95%**

*of our customers have reordered*

That's a testimonial of which we're very proud. It shows that our customers are satisfied, that our Reds are making money for them.

Hatching Eggs—Chicks—R.O.P. Cockerels

Our 1939 catalog gives records on our whole flock, with official hen-housed flock averages. Send for a copy.

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It's Emblem-Protected

Free literature, prices, etc., on request.

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Ketchum "TAMPERPROOF" WING BAND — Locked Faster and Easier

Self-piercing and self-locking — one operation. Again we make a distinct advance. This "TAMPERPROOF" Wing Band is positively locked and cannot be transferred.
100 for $1.10 | 500 for $4.25
250 for 2.25 | 1000 for 7.50
Locking Pliers, 50¢ each—All Postpaid.
Send for Free Catalog describing all Leg Bands, Wing Bands and supplies.
KETCHUM MFG. CO., 9 Kay St., Lake Luzerne, N. Y

BIG HATCH INCUBATOR

Only $13.50 We Pay Freight (East of Rockies)

250 Egg - $18.95
400 Egg - 25.95
500 Egg - 37.90
700 Egg - 42.75

30 Days Trial!
Money-Back Guarantee

Hatch Your Own Chicks—SAVE MONEY
Genuine Calif. Redwood outer walls 1 inch thick. Inner walls of insulite—top and bottom plywood; double glass in door; roomy nursery copper tanks, hot water heat. Self regulating. Complete with turning tray and fixtures. 150 Egg size only $13.50 Freight Paid. Order from this ad. Catalogue of larger sizes, brooders, poultry supplies FREE.

TURKEYS DUCKS GEESE ...can be hatched in Wisconsin incubators without change or adjustment.

WISCONSIN IRONCLAD CO., Dept. 209-A Racine, Wisconsin

NEW 15 DOZ. EGG CASE

Use for Parcel Post Express or Truck Deliveries. Lightweight, easy to handle. Lasts for years. Strong, Kraft, corrugated board. Write for low prices. Sample case without fillers and flats post-paid, 50c. Write Dept. 403.
ANDERSON BOX CO., INDIANAPOLIS, IND.




4. Use a power-driven mixer; mix full time.

5. Measure all materials and water carefully for each batch.

6. Tamp base thoroughly, work surface to a smooth finish.

7. Be sure floor is kept damp and protected from the sun for 7 to 10 days.

8. Never pour concrete when temperatures are expected to go below 50 degrees for 7 consecutive days.

9. If excess water is present, check the weight of the sawdust, and check the capacity of the containers.

## Steady Production Pays

Pullets reach their height of production along in March, while hens do not hit their peak until May, according to results obtained by poultrymen entered in the Connecticut Home Egg-Laying Contest in 1936-37. Pullets averaged 188.91 eggs per bird, laying at a steady rate of practically an egg every other day. These figures are taken from results of 106 poultrymen averaging a total of 65,320 pullets and 13,504 hens during a 12-months period. The highest average production ever obtained in the Connecticut Home Egg-Laying Contest was made with this steady laying in 1936-37.

| Month | Pullets Eggs per Bird | Hens Eggs per Bird |
|---|---|---|
| October, 1936 | 13.22 | 9.04 |
| November | 14.15 | 6.77 |
| December | 15.30 | 5.94 |
| January, 1937 | 16.94 | 10.17 |
| February | 16.00 | 11.58 |
| March | 18.20 | 14.02 |
| April | 17.88 | 14.51 |
| May | 17.90 | 15.54 |
| June | 15.88 | 14.73 |
| July | 14.85 | 14.40 |
| August | 14.39 | 12.50 |
| September | 14.20 | 11.05 |
| 1936-37 Summary | 188.91 | 140.25 |

Helen—"Cristy and Mary are both after Widower Powys. Did you ever see the like?"

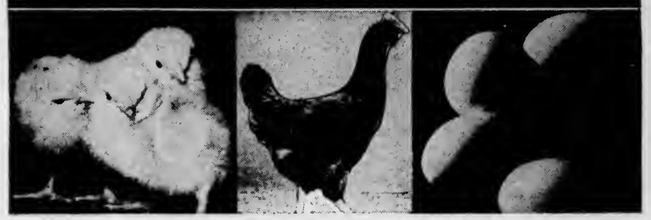
Ruth — "Sure; I've often seen two chickens after the same worm."—Pathfinder.

*Windows in Doors*

Visitors and friends, desiring to see you while you are working in a pen, can track in many different poultry diseases on their shoes. To avoid this, H. Allen Schwalm, roaster producer in Schuylkill County, Pa., has put a small glass window about 10 or 12 inches square in each door leading into the pens so that he can see who is outside when they rap on the door to see him, and he can also look into the pens at any time without unnecessarily scaring the birds.


HUBBARD'S NEW HAMPSHIRES

"Profit-bred" through Balanced Breeding



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Money-making characteristics are *bred* into Hubbard's New Hampshires. Every chick is from our own strain, direct from the breeding source. You get chicks that inherit generations of *proved* blood—chicks whose parents have made good. Big-bodied, strong, officially Pullorum passed, Hubbard chicks live, grow fast and mature early, become good layers of large-sized eggs. This year, try a flock and be sure! You can depend on Hubbard's New Hampshires. 30-day Full Satisfaction Guarantee. *Sexed day-old pullet and cockerel chicks available.* Rock Cross for broilers. Send for your Free catalog today.

FREE CATALOG tells you how they live, grow fast produce!

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Breeding Farm, Walpole, N. H.
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as a convenient setting and hatching chart for 1939 and 1940 . . . .

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PETERSIME INCUBATOR COMPANY, Gettysburg, Ohio

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Raise 95% of your chicks with a Liv-an-Gro Wire Bottom starting brooder. Electric Model only $1.95 postpaid, others as low as $1.65. FREE Folder tells how to raise more chicks the Liv-an-Gro way. Dept. 85

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Conn. State Pullorum Accredited CHICKS Never a reactor in our flock. Bred by us for many years for livability and layability, the broiler raiser and egg producer will find them absolute TOPS in profits. Write for catalog and prices. Rudolph Kneuer, Box E, Branford, Conn.

Poultry House Blue Print Plans

Includes actual blue print plans for one brooder house and five different successful types of laying houses. Also tells how to construct moisture-proof floors, how to correct poor ventilation, etc. Price, 25 cents. Everybodys Poultry Magazine, Dept. 90, Hanover, Pa.

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American Headquarters for WHITE, BUFF, and BLACK Australorps. We imported the Official World Champion 353 - 361 - 364 Egg Hens. Our FREE Educational Catalog Shows CUSTOMERS' PROFITS up to $5.67 per bird. Mrs. Merkel earned $1,190.80 from 210 Australorp hens in ONE YEAR under Gov't supervision.

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R.O.P. and Production-Bred WH. LEGHORNS, BARRED & WHITE ROCKS, and NEW HAMPSHIRES

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Every breeder is selected for the profit factors which mean money in your pocket.

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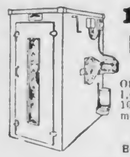

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For MORE EGGS and GREATER PROFITS get our big money making strains. From one of America's finest poultry breeding institutions. $1 per 100 books order. FREE CATALOG.

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# The *Diary* of a Poultryman

By
Percy S. White

Commercial Poultryman
Wayne County, Ohio

Jan. 1—The first day of the new year and a beautiful day at that. In fact, it was such a warm day that we were able to finish stretching the pasture fence. We also hung the gate which was made several weeks ago. In the meantime, the gate has had two coats of creosote to protect it from the weather.

I have a feeling that if this kind of weather continues very long, the price of eggs will decline rapidly. They are on the down and down now, dropping 5 cents this past week. The question is "Just how low will they go?"

I wrote Walter Buss a check for 4,500 chicks to be delivered the last week in April. It is what is known as confidence when chicks are paid for 4 months before they are hatched. On the other hand, if I didn't have the money, I would get the chicks just the same. Walter would have that much confidence in me. There is nothing like mutual confidence; it keeps the wheels of industry turning.

Jan. 5—The feed scoop in the west house has been in continuous, daily use for 12 years this month. It is inconceivable to me as to the amount of feed it has scooped up. Five hundred tons of feed is a big pile, but I don't think it would be more than a couple of hundred tons out of line. A 40 per cent error plus or minus is really pretty close figuring for some of my wild ideas.

If 5 per cent of my ideas would turn out as expected, I would have been able to retire long ago. As it is, I still have my nose on the proverbial grindstone.

Jan. 6 — Arlo Mowrey brought his team of big Belgian horses and the lime spreader over and sowed the lime and phosphate. The pasture looks as if it had a special snow on it, everything is so white. If the cows reap as we have sowed, they should give a barrel of milk a day.

These old hens are showing a great deal of activity. Their production is daily increasing. I'll bet that the price of eggs was down on today's auction. The price always goes down when my birds lay heavy.

Jan. 7 — Every time I step in the outer office of the auction, every girl in the room looks up to see who is entering. Then, in unison, down go all heads, and pencil pushing starts with renewed vigor. I can't catch them at it, but I have an idea they are wiping a few smiles from their faces. Now I wonder why?

Today Ralph Treat, Albert Wyss and I engaged in a free for all argument about egg prices. We "examined the record." The entire sale average yesterday was ¼-cent higher than the corresponding sale a year ago, 1937. The Cleveland market was 1½-cents lower than the same date in 1937. But our Auction price yesterday was ½-cent higher than Cleveland. Whereas, last year it was 1¼-cents under the Cleveland wholesale price. This might be rather confusing, but the gist of the whole situation is that this Auction method of selling eggs is on the up and up.

Jan. 10—Last night I worked my head, and it worked. It was one time that it paid a big dividend to work my head in the right channel. The thermometer was dropping, so we just drained all water pipes and filled the waterers with boiling water. This morning the thermometer registered 6 degrees below zero, but everything was setting Jake. A little head work is a great thing when it works.

About 12 o'clock last night I went out to the block house and chunked up the fire. The birds were as snug as a bug in a rug this morning. The weather man predicts warmer weather for tomorrow and it looks that way to me, too.

"I wrote Walter Buss a check for 4,500 chicks to be delivered the last week in April. It is what is known as confidence when chicks are paid for 4 months before they are hatched. On the other hand, if I didn't have the money, I would get the chicks just the same."

Jan. 11—It warmed up last night, and a heavy snow fell. Today is rather pleasant; turned the water back in the fountains. If the snow lasts for a few days, our stakes in the pasture will be a great help when we spread this week's accumulation of droppings.

I went around to all the fountains this afternoon and scraped the droppings from the running boards with a broad putty knife. They look much better and are more sanitary without

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**THINK OF IT! Oh Boy wouldn't it be Grand to Win $100.00 in Addition to the Gift you get Free for Distributing Only 24 Packages of Our Garden Spot Seeds and at no extra cost EVERYONE WHO SENDS AN ORDER FOR SEEDS GETS OFFICIAL CASH PRIZE ENTRY BLANK. THEN ALL YOU DO IS TO COMPLETE ONE SIMPLE SENTENCE. I'LL TELL YOU THE SENTENCE WHEN I SEND YOU THE SEED.**

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Get this handsome Instrument **NOW.** Here's How. Just send your name and address (**SEND NO MONEY**). **WE TRUST YOU** with 24 pkts. of Garden Seeds to sell at 10 cts. a pkt. When sold send $2.40 collected and **WE WILL SEND** this mahogany finished guitar and Five Minute Instruction Book absolutely **FREE.** Send for seeds **NOW.**

**Good Luck FISHING OUTFIT 28 PIECES**

Consists of a solid steel rod, a solid reel with a 60 yard capacity 1 spool of medium weight, tested & waterproof casting line; 12 snelled hooks on double gut and 12 assorted lead sinkers; an attractive cork float and stout stringer. A remarkable offering. **GIVEN for selling 1 order.** WRITE TODAY.

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**Ladies New Fashion Wrist Watch**
Sure Time a Guaranteed Timekeeper

Here is the grandest thing yet to come from our watchmakers. A perfect jewel, attractive, lustrous, sparkling and modern as the next minute. Finished in French enamel, with its brilliant chrome trimming and bracelet and silver dial, nothing has appeared on the market to make it take second place. The color is Cameo Ivory, a perfect shade to match any dress or gown. **GIVEN for selling only 24 pkts. of Garden Spot Seeds at 10 cts. a pkt. and $9 cts. GIVEN WITH NO EXTRA MONEY for selling two orders.** Sent postpaid.

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**Roller Skates**

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**Blue Granite Cooking Set**

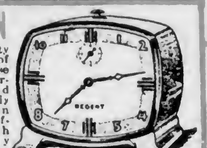
Convenient & sanitary kitchen utensils that you use every day. Blue-bird granite is most durable, finished to mirror smoothness, acid-proof and easy to keep clean. A beautiful mottled blue-gray color. The entire Set, given as one premium, consists of four regular-sized pieces: one Mixing Bowl, one Pudding Pan, one Preserving Kettle, with handle, one Sauce Pan. **GIVEN for distributing only one order.** We pay postage.

**BASKETBALL GIVEN**

This genuine pebble grained cowhide Basketball will withstand the grind of many a game and the roughest practice. Latest type bladder. Complete with valve fitting for easy inflation. **GIVEN for selling one order.**

**Household CLOCK GIVEN**

Secure this all-around utility Clock and you will be assured of having one Clock you can use anywhere in the house. Ornamented front richly finished in two tone effect, with beautifully colored harmonizing dials, is neatly set off with a richly gold plated sash. **GIVEN for selling only one order.** Clock delivered to you postpaid.



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Will Make You Proud of Your Bedroom

A glorious surprise. It surely is a beauty and always popular because it is so practical. The crinkled stripes are neatly woven in contrasting colors of rose, gold, or blue, the same on both sides, and stand the wash-tub well. No ironing—just let it dry and it is ready for use. Makes dressing the bed a real pleasure. Size 80x90 inches, big enough to cover over pillows and bolster, giving effect of a two-piece set. **GIVEN for selling only one order.** We pay the postage. WRITE TODAY.

**VIOLIN, BOW & INSTRUCTIONS GIVEN**

IMPORTED

A pleasing model of good shape. Well finished finger board and tail piece. Has a full set of strings, bow, and five minute Instruction Book with many popular songs in words and music. With this remarkable book you can quickly learn to play without a teacher. **Send no money.** Just name and address. **GIVEN for selling only one order.** We pay the postage. Mail Coupon TODAY.

**22 Piece TABLEWARE SET**

**GIVEN**

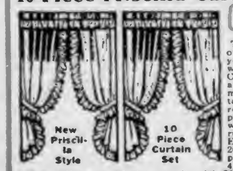
This genuine 22 piece Set is one of the most remarkable premiums we give away. Is of heavily plated tarnish-proof metal. This Set consists of 6 knives, 6 forks, 2 tablespoons, 6 teaspoons, 1 butter knife and 1 sugar shell. Handsome. **GIVEN for selling one order.**

**GIANT SPY-GLASS**

3 FOOT TELESCOPE

See moon, stars and people miles away. Gives new pleasure. Always ready. **GIVEN for selling only one order.** Send no money, just write for seeds today. **SEND NO MONEY.**

**10-Piece Priscilla Curtain Set GIVEN**




There's a charm of welcome when you fit your home with these dainty Curtains. This is a very natty made marquisette Curtain Set in refined white pattern, finished with 2 1-4 inch ruffles in colors. Each curtain is 20x90 inches, 2 pairs, 4 Curtains, 4 Tie-Backs and 2 Ruffled Valances, 10 pieces in all. **All GIVEN to you as one premium for distributing only one order.** Postpaid.

**32 Piece Rose Petal DINNER SET GIVEN**

This sparkling, beautiful set consists of 6 large plates, 6 small plates, 6 cups, 6 saucers, 6 cereal dishes, a large meat platter & a vegetable dish. **Set GIVEN for selling 2 orders.** Sent express collect.

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**Station 481, Paradise, Pa.**

Please send me 24 packets of Garden Spot Seeds to sell at 10 cts. a pkt. for a fine Gift. I will send money or return seeds in 30 days. Also send Cash Prize Entry Blank and Sentence to Be Completed So I Can Win $100.00.

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Pedigreed LEGHORNS

TRAPNESTED & PROGENY TESTED

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LARGEST U. S. R. O. P. FLOCK in EAST

We have the largest U. S. R. O. P. flock of pure Hanson Strain in the East. We can furnish Breeders and Hatcherymen with U. S. R. O. P. Pure Hanson Strain

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7000 breeders on our own farm. All are Pullorum (B.W.D.) Bloodtested. Send for big free catalog and prices or pay us a personal visit.

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A Jasper chick, like the Jasper guarantee, is as good as gold. Jasper chicks are backed by generations of pullorum free, husky breeders, bred for production and egg size, low mortality, fast growth and early maturity.

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WE IMPORT DIRECT FROM TOM BARRON IN ENGLAND
Chicks from profit proven hens with 17 years specialized breeding for size, egg production and livability. 100% B.W.D. bloodtested last 7 years. 14 day free replacement guarantee. Sexed or straight. 95% sexed guaranteed. Also new hybrid White and Barred Rocks and Rhode Island Reds. Discount and free offer on all orders. 1939 catalog free.
Lemmen Leghorn Farm, Box 304E, Holland, Mich.

HILE'S DUCKLINGS AND POULTS

Superior quality Pekin Ducklings and Bronze Turkey Poults at lowest prices. Indian Runner ducklings. Chicks. Eggs. Free catalog tells of excellent profits.
Hile Duck Farm, Box E, Carey, Ohio

a doubt. I do hate to see an accumulation of droppings on the running boards. Probably, I should say the lighting boards.

**Jan. 12**—The problem of cold, wet hands from washing fountains has been solved to a fare-ye-well. A pair of rubber-coated, canvas gloves do the trick. They appear to me to be the ordinary canvas gloves dipped in rubber. Anyway, they are waterproof, reasonably warm and cost only 25 cents a pair. Chapped hands and cracked knuckles usually give me more than 25 cents worth of pain a day. After each usage, the gloves are dried on a burlap feed bag and placed on the shelf in the feed room. Whoever washes the fountains the next time knows exactly where they are.

"After each usage, the gloves are dried on a burlap feed bag and placed on the shelf in the feed room. Whoever washes the fountains the next time knows exactly where they are."

**Jan. 14**—L. L. Rummell, field editor of the Ohio Farmer, has released via radio and press the names of the eight men selected as Ohio's Master Farmers for 1937. "There has been much running to and fro and knowledge has been spread." Congratulatory messages have been pouring in all afternoon from farmer friends, merchants, professional men, clerks, everybody. I didn't know I did have so many friends; "My cup has run over." A luncheon and the presentation of gold medals will take place at the Ohio State University, Wednesday, Jan. 26. So has Ohio honored me, a stranger in a strange land.

**Jan. 17** — It is a nightly chore to place up the litter around the fountains. The litter is a wee bit damp, but it seems to me that we are able to hold our own. That is, the litter is not getting any damper.

**Jan. 18**—"I have faith," said Earl Rice, when I met him at the Auction building today, "I have faith in the chicken business now." "You will notice," he continued, "That three of the eight Master Farmers for this year were poultrymen." And right he was.

Well, we cleaned the dropping boards again today. One can't tell what the weather will do at this time of the year. A hard freeze for a few days and I would be out of luck. It doesn't take long for droppings to accumulate. I have established a basic fundamental principle — play safe,

SAVE Money, Time, Labor
BUY — Don't Build
POULTRY HOUSES

We are pioneer manufacturers of Sectional Poultry Houses. Now made of fragrant vermin-repelling red cedar. Tight, warm and sturdy. Easily erected without skilled labor; can be readily taken apart and moved to new site. You save money and get a better building.

FREE Bulletin shows complete line of Poultry Houses, also Nests, Roosts, Gates, etc. Write.

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20 x 20 ft. Combination Brooder and Laying House, $175.00. Freight Prepaid to nearby States. Capacity: 700 Chicks (Two Broods) or 120-140 Pullets.

New Laying House. 6000 Birds.

WRITE FOR FREE COPY OF "HIDDEN PROFITS" IN STEELMAN'S

L. W. Steelman Formerly Plty. Specialist Pa. State College

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Our Pioneer Strain N. H. Reds averaged over 284 eggs each at Storr's Egg Laying Contest. Individual records as high as 315 eggs.

White Leghorns — Big Bodied — Large Eggs—averaged over 273 eggs at Storrs Contest.

Other Popular Breeds—Barred and White Rocks, White Wyandottes, Steel N. H. Roc Cross, Steel White Wyan Roc Cross, Also Day Old Pullets and Cockerels Free—Beautiful descriptive catalog.

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MAKOMB ELECT-O-STAT
A GREAT ELECTRIC SINCE 1929

Scientifically correct, with electric fan three way air diffusion that cuts current cost 30 to 40%. Edge to edge silvered insulation. Head room for big founts. Bright gleaming 36 inch concave reflectors. Dual elements for safety. Steep, rigid canopy stays clean. 19 inch vent tube cuts heat loss. No room too cold. Write for folder on these sensational brooders.

THE MAKOMB LINE 74 Madison Ave. Macomb, Ill.
WORLD'S LARGEST MFR. OF BROODERS.

YOUNG'S New Hampshires CHICKS

An original strain—outstanding in superior breed characteristics. "You must be satisfied"—that's our policy! PULLORUM CLEAN flock. Hatching eggs all year round. Free catalog describes our years of breeding for early feathering, non-broodiness, size, color, production. Write for catalog and prices.

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NEW FREE ILLUSTRATED CATALOG OF POULTRY EQUIPMENT

YOUR COPY AWAITS WRITE NOW

Illustrates and describes splendid low price values in supplies, remedies, accessories of all kinds for poultrymen and hatcheries. Write today for your copy to The Moore Bros. Corp. Box 03, Albany, N. Y.

The MOORE BROS. Corp.



don't take a chance with this chicken game. It pays big dividends.

**Jan. 19**—I am saving up for a hair cut until nearer the time to go down to the University at Columbus. Guess that is where I missed it, for a visitor stopped today and caught me wearing five days worth of whiskers and some very dirty overalls. I admit the overalls were dirty, and Kid White says that when I admit it, they are dirty.

Anyhow, the gentleman asked for "Doctor" White, and when he found out who I was, he acted slightly frustrated. I could read his mind like an open book. He had expected to see me wearing patent leather shoes, spats, pin stripe trousers, claw hammer coat, bat wing collar and a monocle. But that kind of an outfit doesn't go on this job.

**Jan. 21**—Yes, it is life and with a bunch of deaths mixed with it. A bird carries her life around with her, but death stalks right beside her. At least, that is what I found when I opened the door of the block house at 2 p.m.

Pandemonium had broken loose. The quarter back was trying to carry the intestine through a solid wall of opposition. I realized at a casual glance what was causing all of the trouble, but I couldn't locate the victim. I searched; I found. She was in one of the tunnel nests. Coffin nests, I call them, and for once, I called them right.

**Jan. 22**—The car has been shampooed, waxed and the nickle parts polished. It is blanketed in the garage and won't be moved until next Wednesday when we leave for Columbus. When I drive up in front of the Chittenden Hotel I don't want the doorman to think that someone has come down out of the sticks.

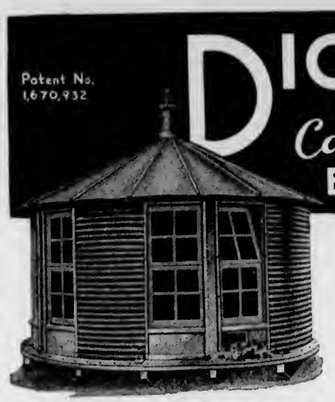
Kid White has had a shampoo, hair set and a couple of new dresses. I have had a hair cut, shampoo, new gloves and hat. We are all set for a second honeymoon; the first one was 15 years ago and in Columbus too.

**Jan. 24** — I always feel more at peace with myself if all of the out-of-the-ordinary work is done before I take a holiday. Me and myself have some terrible battles at times. Not that cleaning dropping boards is such a rare thing, but still it isn't an every day job. Looking down towards Columbus Wednesday, it seemed a wise policy to do the cleaning today. It was raining, but the job was done by noon.

**Jan. 26**—Chittenden Hotel, Columbus, Ohio. Twenty minutes late to the luncheon for Master Farmers, but Kid White and I got here just the same. Zero weather and a glare of ice for 20 miles south of Mt. Vernon made driving a classic in wiggling and wobbling. Fortunately, we didn't loop the loop.

I have been honored beyond all expectations; I have had a luncheon in

DICKELMAN Corrugated Metal BROODER HOUSES




THOUSANDS of Dickelman Corrugated Metal Brooder Houses — in service all over America — have proved conclusively the *big-profit advantages* of these vastly better buildings! These strong, sturdy structures are rat-proof and fire-proof, of course. They are built for lifetime service. But the big point to bear in mind is that *only with the Dickelman* can you be *certain* of an abundance of pure, fresh, perfectly-warmed air for your baby chicks — *with no dampness and no drafts!* The *Dickelman Way* is the *safe* way!

Raise 90% to 97% of Your Chicks!

*Exclusive Dickelman 3-Way Controlled Ventilation* insures the highest type of modern air conditioning for your flocks. It enables you to put a positive stop to damaging chick losses. It enables you to get a running start for the early markets, because it gives your chicks every advantage offered by light, warm, clean, sanitary surroundings — an abundance of dry, draftless fresh air — a safe home where your chicks will live and grow and thrive in a way that will *amaze* you! Find out. Get the *facts!*

Before you buy any brooder house — at *any* price—send for the free Dickelman Catalog. Get prices, terms, full particulars. Write today.

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Box 120 - 110 Main St.
Forest, Ohio

*Combination Brooder House and Laying House.*

Corrugated Metal
21 TIMES STRONGER Than Plain Metal Houses

WENE EXTRA-PROFIT CHICKS
Order NOW and SAVE

ELMER H. WENE

"ONE OF THE WORLD'S LARGEST CHICK PRODUCERS" OFFERS SPECIAL INDUCEMENTS FOR EARLY ORDERS

Now is the time to save money on WENE EXTRA-Profit Chicks. Wene customers get premium prices for larger eggs, finer meat quality.

9 PURE BREEDS
WHITE LEGHORNS—Layers of large, chalk-white eggs. 50,000 HEN Breeders . . . 10,000 mated to R.O.P. males.
WYAN-ROCKS—U. S. Govt. copyrighted blend . . for 3-Way Profit—Brollers, Light Roasters and Eggs.
NEW HAMPSHIRES—The ONLY Certified flock in New Jersey, also 15,000 State-tested breeders in New England.
Barred Rocks White Rocks White Wyandottes R. I. Reds White Jersey Giants Black Giants

4 WENEcrosses
RED-Rocks for BARRED Broilers and Roasters.
"Sex-Link" RED-Rocks—Baby Pullets or Baby Cockerels, sex 95% Guaranteed.
BRAM-ROCKS — The Ideal heavy roaster cross.
LEGHORN - MINORCAS—white-feathered broilers; extra-large, chalk-white eggs.

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WENE CHICK FARMS Box 126-A VINELAND, N. J.

SEX-ED CHIX $3.95 C. O. D.
Up per 100 f. o. b.

You'll like Bush's husky Ozark chicks, 95% sexed guarantee, 100% live delivery; pullets, cockerels or unsexed. Prove to your satisfaction why customers, like Geo. Mifek, Hutchinson, Minn., report outstanding results and prize winnings. 300-egg bloodline accredited, blood-tested flocks. Bush's Giant-Type R.O.P. Sired White Leghorns, 20 other popular breeds. Extremely low prices, easy terms. Write today. Free interesting, descriptive literature.

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**Feeding Fundamentals**—Contains figures on feed consumption, rate of growth, standards of production, value of a better mash, etc. Send a 3-cent stamp to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

FOR
**CHICK VITALITY**
**FEED VITAMINS A AND D**
**FREE** *folder tells why*

Start your chicks *right*. Feed a well-balanced mash containing a sufficient amount of vitamins A and D. Then their chances to live, their strength and vitality, are increased. And they continue to grow rapidly... reaching the broiler or egg production stage sooner.

You can be sure of vitamins A and D in your feeds when you see the Exadol* Formula Tag on the bag. Look for this tag—it's a guarantee by the feed manufacturer of his responsibility that an adequate amount of vitamins A and D has been incorporated in the feed.

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**THE NEW LEGHORN**

Lives and lays well for several years. It's a Big, Rugged all weather layer, progeny test bred from high disease resistant old hens and males 2 to 9 years old kept under ordinary conditions much the same as yours. We specialize in chicks from 2-3-4-year old hens—get away from pullet breeding and you'll get results.

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From Big Rugged birds brooded and grown in batteries who have averaged 200 large white eggs in laying cages. Much lower prices for 1939. Educational catalog free.

SMILEY FARMS, Route 8, Jackson, Mich.

..Buy.. SMILEY'S U.S. Certified Chix



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on STARTER, BROILER and LAYING BATTERIES, PARTS, WIRE FABRICS and other POULTRY EQUIPMENT

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**NEW HAMPSHIRES**
*By Gadd ~ They're Good*
BRED for BEST for BUSINESS

And we mean GOOD! 100% BWD free for last 15 years. New Hampshire State Accredited. Best for layers—broilers. Free catalog explains our live point "profit" breeding program — why customers repeat. All stock guaranteed. Write today.

THE TERRACES

THOMAS B. GADD, Box 6 PLYMOUTH, N.H.


Classified Ads on Page 49

my honor; I have been presented with a gold medal! I am one of the seven Master Farmers of Wayne County; I am one of 97 Master Farmers of Ohio; "my cup has run over;" "I am very happy about the whole thing."

Jan. 27—Columbus, Ohio. That man Dakan, who is the head of the Poultry Dept. of Ohio State University, has the faculty of looking over the mountain and reading the hand writing in the valley beyond. Says he, "It is only a question of time until you poultrymen will have to get some one like Ben Bernie, Mae West or Charlie McCarthy to sell your products for you. It doesn't do you folks any good when the consuming public makes a breakfast of a cup of coffee and a cigarette."

Yes, it is something to think about, seriously, too. What has become of all of those old fashioned breakfasts of fruit, cereal, eggs, bacon, jam, hot biscuits, toast or fried mush and milk? All classes of farmers had a rake-off on those breakfasts. They have probably "gone with the wind" or feminine curves.

"I have been honored beyond all expectations; I have had a luncheon in my honor; I have been presented with a gold medal; I am one of the seven Master Farmers of Wayne County; I am one of the 97 Master Farmers of Ohio."

Jan. 28—The glamour of the second honeymoon and the royal reception at the State University are only memories, but very pleasant ones. It semes to me, in looking back over the past years, the years that were the basis for the Master Farmer award, that those years were, after all, rather pleasant. They were filled with hardships, trials and tribulations; no one can question the fact; they were for us all. But I tried to keep the Faith.

I took just as good care of stock when eggs were below the cost of production as when there was a profit to be made. I candled every egg regardless of the price or how tired I was. I maintained all the buildings in good repair; I paid my taxes; I tried to be a good citizen. There were many sorrows and heartaches and blue Mondays, but that is forgotten now. Yes, they gave me a gold medal, a gold medal for keeping the Faith.

Jan. 29 — The boys at the Auction had a bet among themselves that my eggs would not be candled and graded today. They overlooked the fact that I would probably do some packing last night. In fact, I finished packing at 12:30 this morning. I don't know who won the bet, but all seemed relieved when they found out the eggs were all candled and graded. This, of course, meant that they would have no extra work to do. They work until 9 o'clock on Saturday nights, getting ready for Monday's sale.

Jan. 31—Back in the old harness today and there is no question about it. Cleaning day was with us once again, but scraping the boards is not such a task any more. Not since we have the rubber tired wheelbarrow.

Another cat has come in for the winter which means another mouth to feed. I never have figured what it is worth in dollars and cents for a cat to destroy rats and mice but it is surely worth something. It has always been my contention that a cat pays for its keep in catching rats and mice.

I bought "Brown," the police watch dog, a rear quarter of horse meat. "Brown" doesn't get a chance to work on the rats, as he has to be kept tied all the time. His long suit is having a good moral effect on visitors.

*$98.50 Buys This*
**PHILADELPHIA "GEM"**
**Capacity: 5 Cases per Hour**

This new member of the PHILADELPHIA Electric Egg Grader family incorporates the principles proved successful in our larger Models. Equipped with Automatic Feeder. Makes 4 grades. **Four Larger Sizes—6 to 16 Cases per Hour. Every Machine GUARANTEED to Give Complete Satisfaction.** Write for FREE folder describing our complete line of Egg Graders.

SUPER-POWER **Egg Candler $7.50 F.O.B.**
Speeds up candling and increases accuracy of grading. Prefocused lamp throws sharp, powerful beam directly into the egg. Requires no darkroom. Can be mounted on any Grader. Order today or send for circular.

**PHILADELPHIA METAL WORKS, Inc.**
1616 Hunting Park Ave., PHILADELPHIA, PA.

NEW Automatic FEEDER SPEEDS GRADING

HISTORY—MAKING
**BARRED ROCKS**

Bishop strain Barred Rocks have long been recommended by poultry authorities as America's finest Barred Rocks of all-round quality.

**MANY 300-EGGERS**

In spite of the fact that we have had many official records over 300 large eggs this year, including the highest official record Barred Rock (Contest or R.O.P.) in the United States, and a large number of other birds close to 300 large eggs . . . It is the all-round quality of Bishop Strain Barred Rocks that makes them most desirable to you for breeding purposes. This strain will add to your profits in a dozen different ways.

**Get an individually pedigreed R.O.P. male to head your best pen. Chicks and hatching eggs.**

**R. WALTER BISHOP,** Box 136 Guilford, Conn.

**INCREASE PROFITS WITH WOOD AS YOUR FUEL**

Increase your profits on baby chicks with the ASHLEY, the Automatically Controlled WOOD BURNING BROODER. Its exclusive features are fully protected by U. S. Patents. Operating costs are 80% less than with other types. Write for details about the most economical brooder.

**AUTOMATIC DRAFT & STOVE CO.**
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IN THE BROILER BUSINESS

$33 Starts this Big Money Making 100 a Week Broiler Plant to You. Operates with Oil, Gas, Electricity, Equipped with necessary Humidifier. **Permanent Incomes** proved by many years successful operation. Big Cities—Country Towns. Fine Battery Broilers always in demand. Many make a big success.

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Write Box 758, QUINCY, ILL.

FREE CATALOG
Gives prices. Easy Monthly Terms. Complete Line of Brooders and Poultry Supplies at Low Prices.



**Broilers the Battery Way**

By W. R. Gorton. A new book covering all phases of producing broilers in batteries. Tells how to grow them, how to select equipment, how to find a market, etc. Paper bound. **75¢ postpaid.**

**CHAPTERS:** Progress in the Poultry Industry—Inception of the Battery Method—Various Uses of Battery Brooders—Possibilities in the Broiler Business—Selecting Your Broiler Plant—What Breed of Chicks—Carrying Chicks Through to Broiler Size—Feed—Housing and Ventilation — Factory Production Methods—Common Troubles and How To Combat Them—Killing and Dressing—Marketing—Questions and Answers.

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania


## Reduce Danger of Fires

In order to help reduce danger of fires to a minimum, check over your brooding stoves carefully. Be sure to use metal mats or some other fireproof material under stoves set on wooden floors. Keep litter away from the base of the stove. Don't put ashes in baskets or cartons that will catch on fire; handle only in metal receptacles. Put metal protectors on walls which stoves are near.

Keep your brooder houses free of any rubbish or waste at all times. Follow carefully directions of manufacturers when operating stoves so as to get best results and prevent fires.

## Make Feed Rooms Rat-Proof

Almost any grain bin or corn crib can be made rat and mouse-proof by lining it with quarter-inch hardware cloth or metal shielding. Corners of bins can be protected by studding the area with small nails over which a light layer of sand, cement mortar is spread. Fill all cracks and knot holes with a cement mixture or cover with metal. By nailing shields which extend out four inches, along the sides of the building, rodents can be prevented from climbing up the outsides.

### *Facts About Eggs*

The Institute of American Poultry Industries is doing a fine job in promoting eggs. Here are two of its bulletins which can be obtained from the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., by sending the stamps indicated.

**Let's Have Eggs**—16 pages; includes 13 menus featuring eggs, also many suggestions for preparing eggs.—4 cents in stamps.

**Using the Yolks**—16 pages; gives recipes requiring from one to 10 yolks; gives some general facts about eggs.—4 cents in stamps.


LEARN MORE ABOUT
**Susquehanna Strain**

SEXED PULLETS or COCKERELS

Susquehanna Breeders specialize in the production of Sexed Chicks and were the first hatchery in the East to offer for sale sexed chicks guaranteed **95% accurate.** All chicks sexed by Mrs. Freda Parks Woodruff, internationally known sexing expert. This is your assurance of proper and accurate sexing. Buy your sexed pullets and cockerels from the acknowledged leader in the field. FREE BOOKLET ON CHICK SEXING. We have prepared a small booklet which explains sexing thoroughly. It will be sent you free along with our catalog—See coupon below.

**STATE BLOODTESTED**

Every breeding bird Officially State Bloodtested by the tube agglutination test for B.W.D. by a State laboratory. All reactors removed. Do not be deceived by so called short tests. Demand that the chicks you buy be from Officially tested stock — tested by the proven and reliable tube method—It costs you no more.

**R. O. P. PEDIGREED SIRES**

Learn about our BREEDING CONTROL plan which assures you chicks from R.O.P. pedigreed sires at reasonable cost. We spend thousands of dollars annually for pedigreed chicks and males. Learn how you can get the benefit of this high production breeding at no extra cost.

*Now ... get* **REAL results with OUR**
**LEADING MONEY MAKING VARIETIES**

Breeders of SUSQUEHANNA STRAIN invite you to write for your FREE copy of our latest catalog which gives full details concerning this leading money making strain of birds. It is profusely illustrated and gives many helpful hints to poultrymen. We will also include a copy of our booklet "Chick Sexing" which has just been revised.

**VISIT OUR HATCHERY**

We extend a cordial invitation to our friends to visit our plant and see our modern and efficient equipment for producing and brooding chicks.

**FREE!** MAY I SEND YOU A COPY OF OUR NEW **CATALOG!**

**If you act promptly I'll send you a Profit Sharing Certificate worth up to $500.00 to you.**

**Send for Big *FREE* Catalog**
**Cash in on New Special Offer**

**Hatches Every Week in the Year**

Our hatchery is always operating and we can fill your orders, no matter how small or how large, at any time of the year. We make a specialty of serving broiler producers who require weekly shipments. Some of the largest broiler producers in the country use Susquehanna Strain chicks.

**Crossbreds for Broilers and Layers**

We especially recommend our crossbreds to both the broiler producer and the egg producer. They have more vigor than purebreds, grow faster, feather quicker, are less susceptible to disease, and lay better than purebreds. If you have never tried crosses, learn more about them. We have a cross for every need.

**SUSQUEHANNA BREEDERS HATCHERY**
**BOX E** **MONTROSE, PA.**

**A Breed for Every Need**

Large Type White Leghorns
New Hampshires Barred Rocks
Rhode Island Reds
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Redi-Rocks Corno-Reds
New Hampshire Whites
White Giants Started Capons

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Gentlemen—Please send me your new illustrated free catalog, sexing booklet, and Profit Sharing Certificate.

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MARYLAND

**U. S.**

**APPROVED**

**OFFICIALLY BLOODTESTED**

**Do you want to make as much as $50.00 extra profit on every 500 chicks you raise? Then you want our new Book and Breeders' Guide. Learn about famous TRUSLOW Maryland U. S. Approved Chicks, guaranteed to be produced from 18,000 breeders selected and bloodtested by state officials, cooperating with the U. S. Department of Agriculture.**

**FREE** DON'T PAY A CENT

**Don't pay a cent for baby chicks until you read our big free chick guide and compare Truslow quality and prices. No breed in the world will produce more eggs on less feed than Leghorns. The Barred Rock is the best general purpose fowl ever developed. New Hampshires match Leghorns for high egg production and Barred Rocks as meat producers. Get all of these facts from this new book before you order your chicks.**

**Truslow offers a special low price to those who order now for delivery three weeks or more in advance. Get this money-saving offer today . . . What our customers did in 1938 you can do in 1939. Many raised 95% of their chicks . . . got 60% year-round production . . . made $2.60 profit per hen. You can do this, too, with Truslow U. S. Approved Chicks. Drop a postal card in the mail today for complete information.**

SAVE UP $2.00 TO Per 100 Chicks Order Early

**TRUSLOW POULTRY FARM, INC.**
Box 6, Chestertown, Maryland

**OLDEST BREEDER IN AMERICA**

New Laying House—Capacity 6,000 Birds

**$2.68 PROFIT PER BIRD**
**By Steelman's Customers**

Peter Saxdall, Penn Yan, N. Y., made $2.68 profit per bird over feed cost with our Leghorns. A flock average of 231 eggs.
Our Pioneer Strain N. H. Reds averaged 284 eggs each at Storr's Egg Laying Contest. Individual records as high as 315 Eggs.
White Leghorns—Big Bodied—Large Eggs—Averaged over 273 eggs at Storr's Contest.

**Day-Old — Sexed CHICKS**

Other Popular Breeds, Barred and White Rocks, White Wyandottes, Steel N. H.-Roc Cross, Steel White Wyan-Roc Cross. Also Day Old Pullets and Cockerels. **Free Beautiful Descriptive Catalog.** Write for free copy of "HIDDEN PROFITS" in STEELMAN'S Twelve Months Income Plan.

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BOX E. LANSDALE, PENNA.



**MARTIN METAL Brooder Houses**

**STOP YOUR BABY CHICK LOSSES**

Raise 2 pound broilers in 8 weeks—buy or hatch your chicks earlier and get higher prices. You can if you have a Martin. Brooding chicks in a Martin is safer, easier, surer. FIRE-PROOF, rat and weasel proof, sanitary, dry, warmer—even in zero weather Stove in center, no corners. Prevents crowding.
Send for illustrated folder and easy-payment price

**The Martin Steel Products Co.** 709 LONGVIEW AVE. MANSFIELD, OHIO


## CHICKEN AND EGG PRODUCTION UNITED STATES, 1925-1937

| Year | All chickens on farms, January 1 (Thousands) | Number of chickens produced (Thousands) | Number of eggs produced (Millions) |
|---|---|---|---|
| 1925 ..... | 434,998 | 626,069 | 34,969 |
| 1926 ..... | 438,000 | 664,594 | 37,248 |
| 1927 ..... | 460,999 | 693,657 | 38,627 |
| 1928 ..... | 474,997 | 639,917 | 38,659 |
| 1929 ..... | 449,006 | 692,328 | 37,921 |
| 1930 ..... | 468,491 | 714,380 | 39,067 |
| 1931 ..... | 449,743 | 646,579 | 38,532 |
| 1932 ..... | 436,815 | 672,619 | 36,298 |
| 1933 ..... | 444,523 | 684,929 | 35,514 |
| 1934 ..... | 433,937 | 604,511 | 34,429 |
| 1935 ..... | 389,958 | 632,365 | 33,305 |
| 1936 ..... | 401,238 | 703,067 | 33,996 |
| 1937 ..... | 420,257 | 583,867 | 37,647 |
| 1938 ..... | 387,251 | | |
| 1926-35 (Av.) | 444,647 | 664,588 | 36,960 |

## 1937 Egg Production Largest Since 1931

More than 37.5 billion eggs were produced on farms in the United States in 1937, it is reported by the Bureau of Agricultural Economics. Approximately 584 million chickens were produced. The Bureau's report contains revised yearly estimates of chicken and egg production from 1925 to 1935, inclusive, and the first official estimates for 1936 and 1937.

The estimated production of 37,647,000,000 eggs in 1937 compares with a total of 33,996,000,000 in 1936 and with the 10-year (1926-35) average of 36,960,000,000 eggs. The largest production for the series of years was in 1930, when 39,067,000,000 eggs were produced.

The Bureau's report also shows a series of revised estimates on numbers of chickens on farms January 1, from 1925 to 1938. The number on farms on January 1, 1938, was the smallest of any year in the series. The report shows that there were 387,251,000 chickens on farms on that date, in comparison with 420,257,000 in 1937 and 401,238,000 in 1936. The 10-year average for the period 1926-35 was 444,647,000. The peak number of chickens on farms on January 1 occurred in 1928, when 474,997,000 were reported.

The annual production of chickens reported for the calendar year represents the sum of the number sold, the number consumed in farm households and the plus or minus difference in inventory numbers on January 1. This net production for the year 1937 was 583,867,000 chickens, the smallest number for any of the years in the series. The production in 1936 was 703,067,000 and the average for the preceding 10 years was 664,588,000. A record of 714,380,000 chickens was produced in 1930.

Mr. Milquintoast—"May I use your 'phone, please?"

Grocer—"What for?"

Mr. Milquintoast—"Well, the Missus said to demand more money for these eggs, but she didn't say—how much."
—Christian Science Monitor.


# Reduce Chick Losses

Scientific research and practical application have proven definitely that **Wood Charcoal** fed to baby chicks reduces chick mortality.

The use of **Wood Charcoal** is recommended in feeding, both at the Hatchery and when delivering chicks to customers, as a means of keeping chicks live and healthy. In fact, chicks at all stages of growth are kept healthier with the use of **Wood Charcoal** because it acts primarily as a blood purifier and intestinal corrective.

You should insist on **Wood Charcoal** since this type has the highest absorptive qualities, highest per cent of essential carbon and lowest ash or waste. Most good dealers have it.

It isn't the cost of feeding CHARCOAL that counts, it is the cost of NOT feeding it.

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**Wood Charcoal Research Bureau**
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**LEADING TURKEY MAGAZINE**

**TURKEY WORLD** is an illustrated monthly magazine devoted exclusively to turkeys. Contains newest ideas on turkey raising, both for confinement or open range. Also news of the clubs, shows, marketing organizations, etc. It's the open forum for turkey raisers—every article written by people who know the turkey business.

**SPECIAL YEAR BOOK ISSUE**—The January issue is the special directory and year book issue, a 100-page book of facts and figures on turkey raising. A review of 1938. Replete with tables, charts, pictures and special articles. It is an issue you will want for permanent reference. This issue alone well worth entire subscription price. Subscription rate $1.00 a year, 12 big issues.

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168 Pages Cloth Bound Completely Illustrated

**EVERYBODYS POULTRY MAGAZINE, Hanover, Pa.**



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Operate in 70°. Eliminates disease of 90°. **100,000 used by Govt. Insts., Hatcheries, Chicken, Turkey Farms**

**SAVE TO 50%** by making brooder, table, storage, brooder, laying battery frames; **buying only Feather Boards and Feeders. Write for free plans, rations, inst. literature.**

**John C. Poorman, Box 11, Tinley Park, Ill.** At it since 1898

"Well, we can't start training too early for those 1940 Olympics!"

## *He Sells 33,000 Pounds of Cut-Up Poultry Weekly*


[Continued from page 4]


time . . . Lansford, Tamaqua, Mahoney City, Hazelton, then he stepped into the nation's capitol, Washington, D.C., jumped over to Newark, Brooklyn, Shillington, Passaic, Jamaica, L. I., Elizabeth, and finally to 125th Street, New York City.

He found the 5 and 10 cents store a good outlet for cut-up poultry. He bought a concession in several of the leading stores, carrying the heaviest daily traffic. Today, he has two markets in Reading, two in Scranton, four in Washington, D. C.

The advantage of this method of selling poultry, Grimes discovered long ago, is that you can give a customer just what she wants. She can buy choice parts, or get the cheaper parts for soups. Thus, he can reach the buyer with money and the buyer with small change. If the fastidious customer doesn't like dark meat and wants all breast or white meat, he has it for her; and vice versa. He can also split the breast and leg and thigh, and serve half of each, which gives them both dark and white meat.

### Now Raises His Own Poultry

Everything is sold in the markets, nothing in retail stores, except in the 5 and 10. At first he bought his poultry. Twelve years ago he started raising his own. But as his markets expanded he still had to buy. Today, however, he is almost totally independent of the market and raises practically all his own stock, down to ducks and turkeys.

Grimes sends 20,000 dressed chickens out of Fredericksburg to his retail outlets weekly. Six new trucks take the whole chickens packed in barrels in ice from the slaughter house to the stores. There they are cut up and put on the stands and sold.

During all these years, Grimes had a virtual monopoly on the business of


**FOR BEST RESULTS**

**FEED LAYERS**
**PARK & POLLARD**
**LAY or BUST DRY MASH**

Contains every element needed to produce growth, high vitality, resistance to disease and low mortality—all at low feed cost per pullet housed. Proved by hundreds of proultrymen to lay the foundation for more profitable results . . . it will do the same for you. Order some today from your Park & Pollard dealer.

**FEED CHICKS**
**PARK & POLLARD**
**STARTER and BROILER MASH**

Lay or Bust Dry Mash peps up health, steps up production in the laying house. Fed with P & P HI-VALU Scratch Pellets—revolutionary ration containing higher feed value than the best scratch grains at extremely low cost—this great combination is a money-maker. Try it now! . . . Park & Pollard Co., Buffalo, N. Y., Boston, Mass.

PARK & POLLARD LAY or BUST FEEDS

ALSO MANUFACTURERS OF THE FAMOUS MILK-MAID DAIRY RATIONS

**PRODUCE RESULTS THAT PAY MORE PROFITS**



**Kircher's BUFF Minorcas**

BIG BIRDS-BIG EGGS

SEXED PULLETS or Males.

**THOUSANDS OF FARMERS ARE CHANGING TO THIS RARE, MONEY MAKING NEW BREED**

For years, the poultry world awaited an EGG CLASS CHICKEN having both SIZE AND WEIGHT. TODAY thousands of hens of other breeds are being replaced with KIRCHER'S BUFF MINORCAS, millions yet to be replaced. The demand has raced from coast to coast. Hatcheries bid for hatching eggs and glad to get them. YOUR OPPORTUNITY NOW—chicks from BUFF MINORCA HEADQUARTERS—raise a flock—sell chicks, hatching eggs, stock, at prices much higher than other breed prices! Think of getting MORE BIG EGGS! Lots of **big**, WHITE "firsts" selling at market's highest prices! **Hens that weigh 6 to 8 pounds! Better prices** when sold! Most practical color for a chicken. Poultry's all-around BIG MONEY MAKER! **Write now for early order discounts, catalog and prices!** Supply limited—many orders turned down in 1938. WRITE TODAY. ● OTTO C. KIRCHER, Box 166, BUTLER, MISSOURI ●



**SOL-HOT SPACE HEATER** And Air Conditioner

Healthful fresh-air heat for brooder or laying house, battery or incubator room, garage, etc. Burns oil.

**EASY PAYMENTS**

Write for price and FREE 50th Anniversary brooder and Poultry Supply Catalog. H. M. SHEER COMPANY, Box 757, Quincy, Ill.



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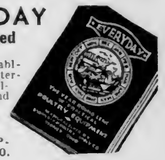
Oil Brooders, Heaters, and Cabinets; Heated and Heatless Waterers; Chick and Growing Feeders, Chick, Colony House and Range Waterers, New Metal Railway Nests, etc. Write for 1939 catalog and prices.




EVERYDAY POULTRY SUPPLY CO., Dept. E, Sidney, O.


**Plans for a 1,500-Hen, One-Man Poultry Farm**—This popular brieflet contains a suggested layout for such a plant. Send a 3-cent stamp to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

## Feed 'em and Reap!

GIVE your 1939 chicks a better chance for LIFE, VIGOR and GROWTH. Give yourself a better chance for a BIGGER PROFIT YEAR.

Start your chicks on

**KASCO ALL-MASH CHICK STARTER**

—bring them safely through those first critical weeks.

You want early broilers—vigorous pullets with stamina to lay lots of eggs next Fall and Winter.

"*Kasco*" will help you attain your goal with its complete nutritional essentials for LIFE AND GROWTH.

BACKED BY RESEARCH
**KASCO FEEDS**
PROVED BY USE!

Write now for the new "*How to Brood Chicks*" book—you'll want it. Filled with up-to-the minute ideas for helping you raise your chicks.

KASCO MILLS, INC.
DEPT. E
WAVERLY, N. Y. — TOLEDO, OHIO



**TAYLOR'S Leghorns**
TRAPNESTED-PEDIGREED

On our farm we have 5,500 breeding females all bloodtested under State supervision. All males from pedigreed dams with pullet year records from 225 to 302 eggs. Sires' dams 240 eggs or better.

WE BUY NO EGGS

Every chick comes from our own flock bred, fed and raised on our farm. Literature gives details. Write for illustrated free catalog. Taylor's Leghorns are superior. Order early to get dates wanted in 1939.

TAYLOR BROS. Box 582-B Newtown, Penna.



**AVERY'S CHICKS** Mass. R. O. P. Mass. Accredited and Certified

Only males of known ancestry used whose sisters are performing satisfactorily under trapnest records. AVERY REDS bred here 40 years. 18 years BWD tested without a single reactor on over 50,000 birds. Every egg set our own. AVERY REDS OR CROSSES Live, Feather, Grow, Lay Big Eggs, Pay Profits. Pullet Chicks available. SATISFACTION GUARANTEED. Catalog free.

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Pullorum Tested Str. breeds & Cross $10 up. Also sexed & Started Chix. Warner Elec. Brooder. Beck's U.S. Approved Htchry, Dept. E, Mt. Airy, Md.



**Burpee's GIANT Zinnias** 4 PKTS. 10¢

Dahlia-Flowered, 4 colors. Scarlet, Yellow, Lavender, Rose, a 15c-Pkt. of each, all 4 postpaid for 10c! *Burpee's Seed Catalog Free.*

W. Atlee Burpee Co., 425 Burpee Bldg., Philadelphia


### Better Hatches

Any poultry raiser who is producing hatching eggs can benefit by studying Brieflet M-83, "Getting Better Fertility and Hatchability." It offers 18 helpful suggestions, all of which can have an influence on hatches. Send a 3-cent stamp to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

cut-up poultry as other food merchants simply scoffed at the idea. Today it is so popular that within the last few years other grocers and meat merchants have started to compete with Grimes on cut-up poultry.

#### Sells Mostly Broiler Stock

Grimes has made it his sole specialty for years and years. Of course, he sells whole spring chickens or halves all the year round, and people can buy stewing chicken or any class or quantity they desire. But mostly Grimes sells broilers (9 to 13 weeks old). He also sells ducks and turkeys the year 'round, not just at Thanksgiving and Christmas, although at that time, of course, the demand is heaviest.

As the business grew, Grimes trained his men in his own way and they drew their experience from him and on their own account, according to their natural brightness and adaptability. He took country boys who made good, or city boys who had to make a living, and trained them in his methods. As a good young man developed here and there, Grimes spotted him and marked him out as a new store manager.

For instance, the young man in charge of the huge poultry plant in Fredericksburg is not yet 30. Grimes himself is only 35. He started in with a clean pair of overalls and willing hands. When Grimes bought the old Allbright College Building (4 stories and attic, brick) and converted it into a first class poultry raising plant, young Shirk got the job of superintending the plant.

#### 72,000 Chickens in One Building

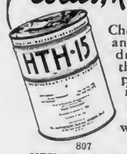
Grimes has 72,000 chickens in this one building; rents a farm with 20,000 more; has 10,000 in a barn on his own home farm, and 5,000 more on a neighboring farm he bought sometime ago. He started off with White Rocks and four years ago added New Hampshires to his stock, but he still has more Rocks than Reds.

He buys day old chicks every week, raises them to 3 pounds on his own premises, sometimes as high as 4 and 5 pounds. Different varieties are killed off at different ages, some at nine weeks, but most of them at thirteen.

#### Prefers to Raise Own Stock

Grimes has found it pays to raise his own stock, because in that way


**DUST WITH HTH-15**
*To Prevent Colds, Roup, Bronchitis*




Check production losses from fall and winter respiratory diseases by dusting regularly with HTH-15, the modern chlorine carrier in powder form. Applied with an inexpensive dust gun, HTH-15 gives all the advantages of a chlorine inhalant treatment without dangerous damp vapor.

807

**Many Uses—Low Cost**

HTH-15 has many other uses in keeping brooders, houses and equipment strictly sanitary. Directions with each package describe how easy and economical it is to disinfect with HTH-15. Try it now. 1 lb. can 50c, 3 lb. can $1.00. At your dealers or write for FREE 1/4 lb. SAMPLE and more information.

THE MATHIESON ALKALI WORKS (Inc.)
60 E. 42nd Street • • New York



**Sunnybrook Chicks**

PROFIT-BRED from PROVEN STRAINS

*18 YEARS Forging Ahead*
PULLORUM TESTED SINCE 1921

New Hampshires, Barred Rocks, White Rocks, Wh. Leghorns, R. I. Reds, Cross-Breeds, Broiler Chicks.

**BABY CHICKS** HATCHES EVERY WEEK
DAY-OLD, SEX-SORTED, STARTED
95% Livability Guaranteed up to 3 Wks.

This livability Guarantee is only the beginning. Our hardy Northern-grown stock will give you low mortality throughout. Early maturity and high average flock production are other qualities that have been bred into Sunnybrook strains.

Write today for Catalog and Prices

SUNNYBROOK POULTRY FARM
A. Howard Fingar, Owner & Mgr.
BOX E HUDSON, NEW YORK

**BOYS**

How would you like to own a PENLITE? It's a streamlined beauty. Comes equipped with non-breakable solid crystal bulb which cannot become unscrewed or lost. Gives several thousand useful flashes on each battery. Cannot become lighted accidently.

You can earn a Penlite by selling four subscriptions to Everybodys Poultry Magazine among your neighbors at 25 cents for each order. Mail us $1.00 to cover the four subscriptions, and we will send you your PENLITE.

Everybodys
Poultry Magazine
Hanover, Penna.



● *BIRD BROS. win again* ●

Clean sweep of prizes again at New York Show, Jan. 1937. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.

BIRD BROS. Box J MEYERSDALE, PA.




he procures a more uniform product for the market, and a quality which he knows something about. There is no guessing in job lots. By raising his own, he knows what he feeds them, how they will cook up, how they will taste when broiled or fried or stewed, how soon they will be done when put in the oven or on the stove, and he knows they are all of uniform age.

When he bought them here, there and everywhere, and dressed them, he was getting a pot pourri without guarantee. Today, he can guarantee his merchandise. And as a result, has built up a following of customers who flock to Grimes' stands.

His average weekly poundage runs around 33,000, and most of his sales are cut up, very few half chickens, and still fewer whole dressed chickens.

### *Through the Editor's Specs*


[Continued from page 3]


gions by ascertaining from wholesalers their volume of sales to dealers and by ascertaining from dealers and consumers the proportion of eggs and poultry meat obtained direct from producers and pedlars.

7. The poultry industry requests that the U. S. Department of Agriculture secure and publish data on the number of chicks hatched in the United States annually, the per cent of these chicks that are home-hatched and the per cent that are bought or custom-hatched. Data are also requested on the number and capacity of commercial and breeder hatcheries in the United States.

8. The Bureau of the Census is requested to secure in its census enumerations in 1940 an inventory of turkeys, ducks, and geese in addition to the question already proposed concerning the number of these kinds of poultry that were raised in 1939. The Bureau of the Census is also requested to secure in the census enumerations in 1940, data on the number and inventory of guineas raised in 1939.

This is the sign which informs visitors when they are at the Pennsylvania branch hatchery of Hubbard Farms, breeders of New Hampshires. This branch was established several years ago to give quicker service to customers located in the Middle Atlantic States.

Again in 1939, Gasson's Poultry Farms add to their breeding facilities by building additional laying houses, giving a capacity of 8000 birds. Airplane view above shows part of this world-famous, 164 acre, Breeding Farm with its 80 modern buildings.

JOHN P. GASSON

**GASSON STRAIN**

**Large type R. O. P. Pedigreed S. C. White Leghorns**

**8000 R. O. P. Pedigreed Birds On Our Own Farm**

Naturally, with so many high production, R.O.P. Pedigreed birds, we can guarantee the laying ability bred into every Gasson Strain chick. 8,000 R.O.P. Pedigreed birds with 1650 pullets under Official U.S.R.O.P. trapnest. All birds bloodtested for 16 consecutive years. All birds bred for large size and high egg production for 26 years. Every male bird has an individual U.S.R.O.P. pedigree from 267 to 316 large, chalk white eggs.

**One of the World's Great U. S. R.O.P. Pedigree Breeding Farms**

As a U.S.R.O.P. Pedigree Breeding Farm and U. S. Certified Hatchery, the famous Gasson Strain offers you rapid growth, fast, uniform feathering, brilliant white plumage, broad wedge-shaped bodies, bright red combs, alert eyes—these plus vigorous health and high egg production.

**Chick Losses Replaced Free**

All chick losses over 5%, first 21 days, replaced free. 100% live delivery guaranteed. These guarantees are your insurance against chick loss. Chicks, hatching eggs and pedigreed cockerels for sale.

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**CASH PRIZES** *For Best Answers to this Question*

**WHY** DO APPROXIMATELY 40,000 CUSTOMERS FROM 40 DIFFERENT STATES ANNUALLY *Buy* **DAVIS CHICKS**

**5 All-Expense Trips to World's Poultry Congress**

In addition to our Cash Prize Contest we are giving 5 All-Expense Trips to the World's Poultry Congress. Write for information.

**10 PRIZES Each Week for 10 Weeks**

Weekly contests close each Saturday noon up until March 11, 1939. You can enter every week if you wish.

Write today for Free Catalog which will give you many hints for your answer—also complete rules of contest—open to everyone except our employees—no strings attached—no need to purchase anything.

**High Egg Prices—Low Feed Costs—Brighten Prospects**

Let Davis chicks—bred for profit making, sold to you at low prices—help you take advantage of "brightest poultry outlook in ten years." Buy now for early broilers and layers.

**Just One Grade—MY BEST**

Husky, livable chicks from healthy, profit-bred Indiana flocks. Choice of 21 breeds. Sexed Chicks—90% accuracy on pullets guaranteed. We pay postage, guarantee 100% live delivery. Ship COD. Write for Free Catalog and low prices today.

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**TRUMBULL** *All-Weather* **ELECTRIC BROODER**

**Heavier Growth—Lowest Electric Consumption**

MORE EVEN HEAT Horizontally—no crowding of chicks
LESS TEMPERATURE VARIATION Vertically—floor to chicks' backs
POSITIVE CIRCULATION OF CLEAN AIR at all points
CAN BE USED ANY TIME, ANYWHERE without supplementary heat
SAFE—Eliminates Fire Danger—SAVES Time and Work
Get all the facts before starting a brood—write for free Bulletin 10008.

The TRUMBULL ELECTRIC MFG. CO., 1006 Woodford Av. PLAINVILLE, CONN.

A GENERAL ELECTRIC ORGANIZATION

**WEGATEPA REDS**

**SUPER QUALITY at 11c per Chick**

All our Breeders are raised from Family Tested Chicks, backed by generations of breeding for longevity. Prices start at 11¢ in 1,000 lots—astonishing value.

*NOW Leading* **RED Class at Maine** with 28 pens competing, Wegatepa Farms pen is well in the lead at the 1938-39 Maine Contest.

**Mass.—U. S. Pullorum Clean**
**R. O. P. Progeny Tested and Lonevity Matings**
All eggs incubated produced on the home farms.
**Straight R. I. REDS—ROCK-REDS (Barred)**
**BREEDING COCKERELS** from high record dams.
**CHICKS—Day-Old and Started.**

Before ordering any chicks, investigate the Wegatepa Farm strain. Learn how you can get high average flock production without profit-taking mortality losses.

**Write for beautiful Catalog and Informative Mating & Price List**
**WEGATEPA FARMS**
**Box 13, Harvard, Mass.**

*The* **WEGATEPA STANDARD**
1-Longevity
2-Progeny Testing
3-Breeding on Family Basis
PLUS MASSACHUSETTS R.O.P.


# Laying Tests Summarized

By Thomas E. Moncrief

By picking up 345 points for the month of November, J. J. Warren's pen of Rhode Island Reds at Passaic, N. J., continue their lead well in advance of all other pens. Birds at the Storrs Test are coming along fast, however, despite the fact they were a week late in starting, and threaten to overtake the leaders. Southern and western tests are offering stiffer competition than they did last year and have possession of a large portion of the leading places in all breeds.

A White Leghorn belonging to A. E. Guinn, entered at Georgia, jumped to the front, having accumulated 64.30 points from 60 eggs during the 61 days thus far. Since Florida Test added two more pens during November, this Leghorn bird is top individual among 14,820 birds entered in the 16 standard tests this year.

### Kauder's Birds High for November

Leading pen for November was Kauder's Pedigreed Leghorns at Storrs. These birds shelled out 350 eggs and earned 367.35 points for the month.

Georgia continued in advance of all other tests through November, but there was considerable shifting in the lower ranks. Texas remained in second place, followed by Florida, and then came Oklahoma and Arizona. Average production is lower at most tests than it was last year.

### Leghorns Lead Among Top Ten Pens

Although J. J. Warren's Reds at Passaic hold top honors among all pens, Leghorns account for seven of the ten highest places. Booth Farms' Leghorns at Oklahoma continued to hold second position. Nelson's Leghorn Breeding Farm moved up from seventh into third place. A. J. Williams came up from beneath the pile to take over fourth place. Fifth highest

J. C. Bell, manager of the Georgia National Egg Laying Test, looks over Overbrook Farm's White Rock champions at Georgia for the 1937-38 laying test year. These birds laid 2886 eggs for a total of 2855.20 points. They were rated AA for standard qualifications and requirements by an American Poultry Association judge, thus showing they combine beauty with heavy production. Leading White Rock hen at Georgia for the year, with 315 eggs and 324.4 points to her credit, also was from Overbrook Farm in Indiana.

**High Pen, 13 Birds, Each Breed to December 1—(61 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 688 | 682.50 | Pass., N.J. |
| Booth Farms | Wh. Leg. | 636 | 646.30 | Okla. |
| A. J. Williams | N. Hamp. | 635 | 640.05 | Florida |
| Dryden Pl. Br. Fm. | Bd.Rk. | 591 | 579.05 | Missouri |
| Oscar W. Holtzapple | W.Rk. | 592 | 562.40 | Georgia |
| Colonial Pl. Fm. | Wh. Wy. | 562 | 561.90 | Texas |
| Lonnie Van Sant | Bl. Aust. | 460 | 448.15 | Arizona |
| Lindstrom Pl. Fm. | Bf.Min. | 472 | 443.30 | Missouri |
| Ben G. Monroe | Anc. | 440 | 420.65 | Texas |
| Colonial Pl. Fm. | Wh. Min. | 409 | 405.60 | Georgia |
| Raymond Murphy | Wh. Gt. | 340 | 349.50 | Missouri |
| Henry F. Waitt | S.L.Wy. | 322 | 300.30 | Maine |
| S. E. Raymond | Lamona | 269 | 278.15 | Storrs |
| Laclede Hatchery | Bf. Orp. | 320 | 269.90 | Florida |
| Eagle Nest H.&B. Fm. | B.R. | 216 | 212.60 | Maine |
| Harry L. Phillips | Col.P.Rk. | 217 | 205.60 | Missouri |
| Missouri Valley H. | Bf.Leg. | 250 | 192.85 | Maine |
| Blue Ribbon Fm. | R.I.W. | 203 | 189.60 | Texas |
| Cedarlaid Pl. Fm. | Br.Leg. | 227 | 177.10 | Florida |
| Hall Bros. | Cross | 108 | 106.30 | N.Y. State |

**High Hen Each Breed to December 1—(61 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 60 | 64.30 | Georgia |
| J. J. Warren | R. I. R. | 58 | 62.05 | Maine |
| Lamar Sexton | N. Hamp. | 56 | 60.60 | Pass., N.J. |
| Oscar W. Holtzapple | W.Rk. | 56 | 59.20 | Georgia |
| Dryden Pl. Br. Fm. | Bd.Rk. | 57 | 58.70 | Missouri |
| Lindstrom Pl. Fm. | Wh.Wy. | 52 | 55.60 | Georgia |
| Raymond Murphy | Wh. Gt. | 51 | 53.15 | Missouri |
| E. S. McSweeny | Bl. Aust. | 49 | 50.75 | Arizona |
| Colonial Pl. Fm. | Wh.Min. | 48 | 47.80 | Georgia |
| Henry F. Waitt | S.L.Wy. | 42 | 44.75 | Maine |
| Thomas Pl. Fm. | Anc. | 44 | 44.45 | Storrs |
| Lindstrom Pl. Fm. | Bf.Min. | 46 | 44.15 | Missouri |
| S. E. Raymond | Lamona | 40 | 43.55 | Storrs |
| Harry L. Phillips | Col.P.Rk. | 39 | 41.20 | Missouri |
| Blue Ribbon Fm. | R.I.Wh. | 38 | 39.80 | Texas |
| Missouri Valley H. | Bf.Leg. | 46 | 34.35 | Maine |
| Laclede Hatchery | Bf. Orp. | 37 | 33.30 | Florida |
| Cedarlaid Pl. Fm. | Br.Leg. | 41 | 32.85 | Florida |
| Eagle Nest H&B F. | Bf.Rk. | 32 | 32.45 | Maine |
| Hall Bros. | Cross | 25 | 26.65 | N.Y. State |

**High Pen, 13 Birds, for November in Each Standard Test—(61 Days)**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | W.Leg. | 350 | 367.35 | Storrs |
| Cliniard Hatchery | R. I. R. | 323 | 316.60 | Okla. |
| J. J. Warren | R. I. R. | 340 | 345.45 | Pass., N.J. |
| Redbird Farm | R. I. R. | 329 | 329.05 | Maine |
| Guy A. Leader | Wh. Leg. | 332 | 328.70 | Penna. |
| Erath Egg Farm | Wh. Leg. | 318 | 326.75 | Texas |
| Booth Farms | Wh. Leg. | 322 | 325.30 | Georgia |
| A. J. Williams | N. Hamp. | 318 | 325.05 | Florida |
| Booth Farms | Wh. Leg. | 299 | 322.30 | Missouri |
| Thomas Mettler | R. I. R. | 329 | 322.20 | Hunt. N.J. |
| Rochelle Hatchery | Wh. Leg. | 312 | 313.85 | Michigan |
| R.E. & F.H. Kendrick | R.I.R. | 285 | 298.50 | Rhode Isld. |
| Colonial Pl. Farm | N.Hamp. | 293 | 292.20 | Arizona |
| Dryden Pl. Br. Fm. | Bd.Rk. | 294 | 281.60 | Cent. N.Y. |
| Dryden Pl. Br. Fm. | W.Leg. | 282 | 277.75 | Cent. N.Y. |
| Harry A. Schnell | Wh.Leg. | 285 | 273.95 | N.Y. State |


**WEBER THOROUGH-BRED ROCKS and REDS**

**Best Rock Pens in all U.S. 1937 and 1938**
**Best Rock Hens in all U.S. 1937 and 1938**
(MAINE 1937; STORRS 1938)
**Winning Rock** Pens at Storrs, Maine, Pennsylvania, Florida contests, 1938.

**Our REDS** were 3rd Red pens at both Penna. and Rhode Island (3455 pts.)

Pullorum Clean. 2 great strains "Thorough-Bred." Catalog free.

**WEBER DUCK FARM, Inc.**
R. F. D. 8 **WRENTHAM, MASS.** Tel. 75

**CREIGHTON BROS. R.O.P.**

**PEDIGREED LEGHORNS**

On our farm we breed 28,000 layers. We specialize in baby chicks for commercial egg producers, pedigreed chicks for hatcherymen & breeders, and hatching eggs in large or small quantities.

We have several hundred R. O. P. Males priced to sell.

Official contests prove the value of our breed. Send for catalog.

**CREIGHTON BROTHERS**
**Box 12, Warsaw, Indiana**

**HILLVIEW LEGHORNS**

**OFFICIAL WORLD'S RECORDS** depend on Quality Breeding. **High pen** Georgia Official Contest. **High pen and 5 pens for eggs** over all breeders and hatcheries east of California. Official and farm trapnest records of 334 to 376 **Eggs** (H.Y.R.). **Big Type Leghorns**—300 Egg Blood Breeders. Write for new, **free catalog** giving winnings, records, special **low prices** on Breeding Stock, Chicks and hatching eggs. **Frank Gloeckl**, Breeder-Manager—

**HILLVIEW POULTRY FARMS**
BOX 6-28, NELSONVILLE, OHIO
ROUTE 5-28, BETHANY, MO.

**ELECTRIFY** with a proven line. Largest **electric** brooding line in U.S. Several new types. Also alarms, time switches, water heaters, incubators, etc. Eastern stocks of proven Lyon Brooders. Prompt delivery. Write for free catalog.
**LYON RURAL ELECTRIC CO., Dept. F, San Diego, Calif.**

**SCHWEGLER'S THOR-O-BRED CHICKS**

SEXED CHICKS Day-old Pullets or Ck'ls

**Make This Your Big Egg Profit Year GET CHICKS SIRED BY MALES FROM RECORD 3-YEAR OLD HENS**

One of best values in Poultry Field. Chicks sired by Pedigreed Sons of Officially Proved LONG-LIFE HENS with High Speed Production. 3-year old Leghorns, Barred Rocks, White Rocks and Reds at Vineland Hen Contests under Progeny Test. Daughters trapnested under U. S. Egg Contest supervision.

World Record Wyandotte Hen 305 Points

**Three World Records in 1936 Contests**

Continuous improvement from R.O.P., Official Record Hens, 200-324 Eggs. High Livability. High Egg Breeding. Chicks closely related to our Contest Winners. Prices reasonable. Partial Payment Plan.

Increase Your Poultry Income 10% to 30% New, Practical Program that works. Send for it today. FREE!

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**SCHWEGLER'S HATCHERY**
203 Northampton, BUFFALO, N. Y.
**BIG HEALTHY CHICKS *Hatched* FROM BIG EGGS**

**E. A. Hirt's WHITE ROCKS**

Winners at R. I. Contest 2505 eggs 2646 points. 25.1 oz. egg size. Storrs results 2665 eggs 2794 pts. By exacting breeding effort, we have developed big egg, high-production contest winners, plus amazing body and bone growth, flock vigor and low mortality. Free folder gives details of our breeding results and contest results. Write today.

**E. A. HIRT,** 48 West St So. Weymouth, Mass

**STERN BROS. LONGEVITY LEGHORNS**

**For More Egg Money Follow the Lead of Jersey Egg Producers**

We supply many of New Jersey's most successful commercial egg producers with HEN Chicks from

**Breeders 2 to 9 Years Old** These Leghorn HEN Chicks are larger, stronger and develop into better layers. They are the answer to the poultrymen's prayer for high production with low mortality.

**Straight New Hampshires and Rock-Hamp Cross** for broilers, roasters and large brown eggs.

**Write for Free Folder and Price List**
**STERN BROS., DEPT. O, SO. VINELAND, N. J.**

**92.3% LIVABILITY—5-year average**

Schaible's Rhode Island Reds—FIRST in livability, SECOND in production (230.89 pts. per bird entered)—ALL pens, ALL breeds, ALL New Jersey contests 5-yr. avge. You get MORE LIVE PRODUCERS per 100 from Schaible. Send for new catalog.

**Louis D. Schaible,** 200 West Road SHILOH, N. J.

***High Record* WHITE ROCKS**

Winners at both the 1937 and 1938 National Laying Contests and Poultry Shows — Official Records as high as 315 Eggs for 321 Points. Chicks Available—Write for Mating List Today.

**OVERBROOK FARM**
R.15, BOX 625, INDIANAPOLIS, INDIANA


Please Mention Everybodys When Writing Advertisers



**Average Production and Mortality to December 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Nov. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Georgia | 1,300 | 36.44 | 33.57 | 2.69 | 3.46 |
| Texas | 910 | 33.19 | 32.17 | 1.86 | 2.41 |
| Florida | 1,248 | 31.52 | 29.18 | 1.20 | 1.84 |
| Oklahoma | 650 | 30.65 | 28.90 | 1.07 | 1.53 |
| Arizona | 260 | 30.44 | 28.87 | 1.92 | 1.92 |
| Hunt., N. J. | 650 | 30.37 | 28.72 | .92 | 1.07 |
| Storrs, Conn. | 1,300 | 29.73 | 28.58 | .92 | 1.07 |
| West. N. Y. | 884 | 30.29 | 28.01 | .67 | .67 |
| Pennsylvania | 1,131 | 29.30 | 27.71 | .53 | .70 |
| Pass., N. J. | 1,001 | 28.62 | 26.95 | 1.19 | 1.49 |
| Michigan | 897 | 27.92 | 26.54 | 1.44 | 2.00 |
| Rhode Island | 650 | 25.12 | 24.90 | 1.53 | 2.00 |
| Maine | 1,027 | 26.08 | 24.47 | 1.46 | 1.65 |
| Missouri | 780 | 24.00 | 23.63 | 2.43 | 2.43 |
| Cent. N. Y. | 910 | 24.97 | 23.29 | .43 | .43 |
| N. Y. State | 1,222 | 20.78 | 19.02 | 2.29 | 2.29 |

**High Pen, 13 Birds, to December 1 in Each Standard Test—(61 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 688 | 682.05 | Pass., N.J. |
| Booth Farms | Wh. Leg. | 636 | 646.30 | Okla. |
| Nelson's Leg. Br. | Fm. W.L. | 641 | 644.65 | Texas |
| A. J. Williams | N. Hamp. | 635 | 640.05 | Florida |
| Guy A. Leader | Wh. Leg. | 656 | 634.45 | Penna. |
| Foreman Pl. Fm. | Wh. Leg. | 638 | 633.00 | Michigan |
| Kauder's Ped. Leg. | Wh.Leg. | 611 | 630.30 | Storrs |
| Kauder's Ped. Leg. | Wh.Leg. | 634 | 627.90 | Georgia |
| Eben Wood | N. Hamp. | 618 | 623.70 | Maine |
| R.E. & F.H. Kendrick | R.I.R. | 605 | 617.50 | Rhode Isld. |
| Booth Farms | Wh. Leg. | 579 | 607.60 | Missouri |
| Cane Pl. Farm | R. I. R. | 605 | 599.60 | Hunt. N.J. |
| Kauder's Ped. Leg. | Wh.Leg. | 585 | 572.75 | West. N.Y. |
| Dryden Pl. Br. Fm. | W.Leg. | 609 | 571.10 | Cent. N.Y. |
| Colonial Pl. Fm. | N.Hamp. | 504 | 487.65 | Arizona |
| J. J. Warren | R. I. R. | 490 | 482.15 | N.Y. State |

**High Hen to December 1 in Each Standard Test—(61 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 60 | 64.30 | Georgia |
| J. J. Warren | R. I. R. | 58 | 62.05 | Maine |
| Weber Duck Fm. | R. I. R. | 57 | 61.95 | Michigan |
| E. H. Dansby | R. I. R. | 57 | 61.50 | Florida |
| Lamar Sexton | N. Hamp. | 56 | 60.60 | Pass., N.J. |
| Bryan J. Snell | Wh. Leg. | 57 | 59.70 | Penna. |
| W. A. Seidel | Wh. Leg. | 55 | 59.65 | Texas |
| E. B. Parmenter | R. I. R. | 55 | 59.55 | Rhode Isld. |
| Dryden Pl. Br. Fm. | Bd.Rk. | 57 | 58.70 | Missouri |
| David T. Cohen | Bd. Rk. | 58 | 58.25 | Arizona |
| Kauder's Ped. Leg. | Wh.Leg. | 53 | 57.05 | Storrs |
| Baker Pl. Fm. | Wh.Leg. | 57 | 56.70 | Cent. N.Y. |
| Creighton Bros. | Wh. Leg. | 53 | 56.30 | Hunt. N.J. |
| Douglaston Manor F. | R.I.R. | 54 | 55.75 | West. N.Y. |
| Booth Farms | Wh. Leg. | 52 | 55.65 | Okla. |
| J. J. Warren | R. I. R. | 52 | 50.80 | N.Y. State |


**HOME R.O.P. STEAD**
**S. C. RHODE ISLAND REDS**

**GET YOUR CHICKS THIS SEASON FROM THE SAME BREEDING AND IDENTICAL BLOODLINES THAT PRODUCED HIGHEST OFFICIAL CONTEST PEN**

ANYWHERE! ANYTIME! Record made at Storrs, 1938. Official average 286 Eggs; 307 Points per hen for all 13 Birds in the Pen. Strong indication of the value of our years of thoughtful Progeny Tested Breeding for HIGH LIVABILITY and HIGH EGG PRODUCTION.

**HIGHEST 8-YEAR LIVABILITY AT STORRS CONTEST for all Reds—93.2%** At Western New York, 100% Every Homestead Chick sired by Males from High Livability Families.

**SAVE**—BY ORDERING NOW. TAKE ADVANTAGE OF OUR EARLY ORDER **DISCOUNT** for orders placed by Jan. 31st. Start right this year with Chicks from High Livability and High Egg Breeding. Send for FREE Catalog of "LIVABILITY FACTS."

**HOMESTEAD FARM, Route 1-E, Newtown, Conn.**

Hen 53-13. High Hen in World Record Pen—316 Eggs; 342 Points

**Baby Chicks and Sexed Chicks** from 202 to 291 Egg R.O.P. Males. Family Tested.

**FOREMAN'S Large Type WHITE LEGHORNS**

ONLY STRAIN IN THE UNITED STATES TO WIN TWO NATIONAL EGG LAYING TESTS IN 1937. ONLY STRAIN TO WIN HIGHEST INDIVIDUAL LEGHORN HONORS IN THREE 1938 OFFICIAL LAYING TESTS

Cream always rises to the top. FOREMAN LEGHORNS prove they are top quality by establishing a new all-time production record in Western New York Laying Contest with a 310-point average per hen in 52 weeks. FOREMAN LEGHORNS take highest individual honors Michigan, Florida, Texas Contests—1938.

CHICKS POSSESSING THESE IDENTICAL BLOOD LINES are available at moderate prices. We believe we are offering the outstanding Chick Values of 1939, because every FOREMAN STRAIN CHICK is backed by official contest records and is produced from clean, healthy, rugged stock possessing the desired size and body weight as many of our 300-point hens weigh over six pounds.

BUY CHICKS from a strain with Public Record of Breeding Excellence. Early order discount on chicks. FREE EDUCATIONAL CATALOG upon request.

**FOREMAN POULTRY FARM,** Box 25-D Lowell, Michigan
PROF. E. C. FOREMAN, Owner and Manager

**MISS NEW YORK**
Highest all-time official record Western New York Contest—1937 321 eggs, 350.10 points. Second Ranking Hen United States Hen of the Year Contest—1937.

**REDBIRD FARM**

**Largest R.I.Red Breeding Farm in the World**

**1st and 4th High Pens, N. Y. State — Also High Pullet, ALL Breeds**

Let us ship YOU chicks from the very farm where these Contest Winners were bred. Every chick hatched from an egg laid right on the premises.

**Again We Expand**—This season we offer two new breeds—Barred Rocks from our own pedigreed strain; White Leghorns from nation's leading high record strain.

62,000 Breeders, 100% Pullorum-Free
98% LIVABILITY Guaranteed First 4 Weeks on Special, Grade-A and Grade-B Chicks
R. I. REDS (Straight) ROCK-REDS (Barred)
BARRED ROCKS WHITE LEGHORNS
SAVE THROUGH EARLY ORDER DISCOUNT
Write at once for Early Order Discount Plan, Price List and Folder.

**REDBIRD FARM** Route 23, WRENTHAM, MASS.

**RUPP'S LIVE LAY PAY CHICKS**

RUPP'S CHICKS PRODUCE!

**6687 DOZ. EGGS IN 21 WEEKS**
*"My flock of 1000 pullets hatched Feb. 5, 1938 started laying in 5 months and produced 6687 doz. nice large eggs in 21 weeks which brought $1921.50."*—Paul Borton (Ohio)

OHIO APPROVED CHICKS

**R. O. P. MALE BREEDERS**
500 R. O. P. Pedigreed Male Breeders are being used this year. Dam's records to 316 eggs. Flock records, 212 eggs, 80% production reports. Sexed Leghorns, Rock and Red chicks, poults and ducklings. 20 years in business. *FREE*—complete story of Live-Lay-Pay chicks. Send for it today.

**RUPP BROTHERS, ARCHBOLD HATCHERY, Box E, ARCHBOLD, OHIO**

**TOXITE KILLS**

Kills Coccidiosis, Mites, Disease Germs, etc. Before you get your chicks, spray brooder house with Toxite. Sold by dealers everywhere. Write for free book.
**TRUSLOW POULTRY FARM, Box 14, Chestertown, Md.**

WRITE FOR OUR **OAK KNOLL BOOK** TELLING OF OUR
**Ore. R.O.P., Oak Knoll Str. WH. LEGHORNS**
TRAPNESTED SINCE 1923 | DEVELOPED TO PROFITABLE PRODUCTION
**OAK KNOLL POULTRY FARM**
Morris Christensen, Box 74C, McCOY, OREGON

WARREN'S MASS. CERTIFIED R.I. REDS

"HEN OF THE YEAR"

*Highest National Honor*

Miss North Brookfield, our top pullet at Storrs, set a new high record for all breeds at Storrs, 370 points, 341 eggs. Five pen mates laid 310 or more eggs each. Other Warren winnings include: First High Red Hen, Maine; First High Red Pen, Western New York; First High Pen in Egg Weight at New York Contest.

High Flock Averages Too

For 7 consecutive years, we have supplied 9 Massachusetts State Institutions with Chicks. Average flock production for this stock has been rising steadily. For the year ending August 31, 1938, it was 221 eggs per bird. With such results, no wonder we have been awarded the contract year after year.

Our Birds Leading 1938-39 Contests

Our pens are in double lead in Reds at Farmingdale, running first and third in Reds at Storrs and are first at Passaic County.

CHICKS Rhode Island Reds Rock Red Cross

WIN WITH WARREN! We will ship you Chicks of the same breeding as our Contest Winners. A $500 Bond backs our Guarantee that every chick shall go out pullorum-free. Make your reservations now, as output is limited.

Write today for Catalog and Price List

J. J. WARREN

Massachusetts R.O.P. Breeders' Association Box 14, North Brookfield, Mass.

Bonded Against B.W.D.

TOWNSLEY Thor O Good WHITE ROCKS

For all-around profits, try our White Rock chicks. First over all White Rock pens in 1938 Contests; second in 1937; going strong for 1939. Better profit makers in numerous broiler plants. Customers everywhere praise large size, quick growth, unusual livability, and real laying records. You will like our prices. Catalog.

High Record Matings Chicks or eggs from Contest Hens or Trapnest Matings.

TOWNSLEY TRAPNEST FARM and Hatchery, T. S. Townsley, Owner

Box 671E Wilmington, Ohio

COTTON MOUNTAIN FARMS

NEW HAMPSHIRES

Breeding speaks a fine word for "Cotton Mountaineers." These chicks fairly sparkle with inherent vitality. Their health, energy, quick, uniform growth and feathering and early maturity brand them as QUALITY. They will lay more large, brown eggs and pay more profits. We guarantee satisfaction. Free catalog gives details.

COTTON MOUNTAIN FARMS,

R. F. Thurrell, Box 70, East Wolfeboro, N. H.

SPANGENBERG'S WHITE ROCKS

1938 CONTEST FINALS:

2ND HIGHEST PEN 3RD HIGHEST PEN AT STORRS ALL U. S. CONTESTS

2936 Eggs—3037 Points

JOHN SPANGENBERG, Dept. E, West Haven, Conn.



honor to date goes to Guy A. Leader's White Leghorns, another new pen among the top ten. Foreman ranks a point behind Leader, and then come two pens of Kauder's Pedigreed Leghorns. W. A. Seidel and Vans R. Otey complete this select group.

Eighth, ninth and tenth places in the top pens of Leghorns go to Gulfkist Poultry Farm's entry at Florida, Erath Egg Farm's birds at Texas and Booth Farms' pen at Florida.

### Warren Has First and Third in Reds

Sandwiched between J. J. Warren's Reds at Passaic and Storrs are Vans R. Otey's birds at Florida. Wegatepa Farms worked up a notch in this breed during November and now hold fourth place. R. E. & F. H. Kendrick occupy fifth. Clinard Hatchery, a "black horse" in the race thus far, jumped up into sixth place. Cane Poultry Farm climbed two more steps in taking over seventh position. Weber Duck Farm, Ralph W. Anderson and Stanley V. Madison round out this group of leading Reds.

**Ten Highest Standard Test Pens in Entire Country to Date—(61 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 688 | 682.05 | Pass., N.J. |
| Booth Farms | Wh. Leg. | 636 | 646.30 | Okla. |
| Nelson's Leg. Br. Fm. | Wh. W.L. | 641 | 644.65 | Texas |
| A. J. Williams | N. Hamp. | 635 | 640.05 | Florida |
| Guy A. Leader | Wh. Leg. | 656 | 634.45 | Penna. |
| Foreman Pl. Fm. | Wh.Leg. | 638 | 633.00 | Michigan |
| Kauder's Ped. Leg. | Wh.Leg. | 611 | 630.30 | Storrs |
| Kauder's Ped. Leg. | Wh.Leg. | 634 | 627.90 | Georgia |
| W. A. Seidel | Wh. Leg. | 617 | 626.40 | Texas |
| Vans R. Otey | R. I. R. | 634 | 626.10 | Florida |

**Ten Highest White Leghorn Pens in Entire Country to Date—(61 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Booth Farms | 636 | 646.30 | Okla. |
| Nelson's Leg. Br. Farm | 641 | 644.65 | Texas |
| Guy A. Leader | 656 | 634.45 | Penna. |
| Foreman Poultry Farm | 638 | 633.00 | Michigan |
| Kauder's Ped. Leghorns | 611 | 630.30 | Storrs |
| Kauder's Ped. Leghorns | 634 | 627.90 | Georgia |
| W. A. Seidel | 617 | 626.40 | Texas |
| Gulfkist Poultry Farm | 631 | 624.65 | Florida |
| Erath Egg Farm | 629 | 618.80 | Texas |
| Booth Farms | 616 | 617.45 | Florida |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(61 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| J. J. Warren | 688 | 682.05 | Pass., N.J. |
| Vans R. Otey | 634 | 626.10 | Florida |
| J. J. Warren | 601 | 623.45 | Storrs |
| Wegatepa Farms | 610 | 621.55 | Maine |
| R.E. & F.H. Kendrick | 605 | 617.50 | Rhode Isld. |
| Clinard Hatchery | 618 | 613.90 | Okla. |
| Cane Poultry Farm | 605 | 599.60 | Hunt. N.J. |
| Weber Duck Farm | 647 | 599.40 | Georgia |
| Ralph W. Anderson | 583 | 596.20 | Storrs |
| Stanley V. Madison | 569 | 593.10 | Rhode Isld. |

**Ten Highest New Hampshire Pens in Entire Country to Date—(61 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| A. J. Williams | 635 | 640.05 | Florida |
| Eben Wood | 618 | 623.70 | Maine |
| Pine Top Poultry Farm | 560 | 585.40 | Maine |
| Quimby School | 640 | 584.75 | Maine |
| Pine Mountain Valley Fms. | 567 | 584.20 | Georgia |
| Thomas J. Harrold | 626 | 582.40 | Georgia |
| A. J. Williams | 578 | 568.50 | Florida |
| Steelman Poultry Farms | 565 | 561.35 | Storrs |
| James H. Horne | 550 | 533.45 | Maine |
| W. H. Boulware | 548 | 531.75 | Florida |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(61 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Dryden Pl. Br. Farm | 591 | 579.05 | Missouri |
| Dryden Pl. Br. Farm | 605 | 567.90 | Cent. N.Y. |
| Eben Wood | 580 | 556.45 | Maine |
| Weber Duck Farm | 596 | 551.35 | Maine |
| Weber Duck Farm | 559 | 527.00 | Georgia |
| Fuzzydele Farms | 516 | 492.70 | Storrs |
| Woolly Hicky. & Pl. Fm. | 553 | 481.40 | Georgia |
| J. W. Schalble | 533 | 480.60 | Hunt. N.J. |
| David Cohen | 499 | 475.90 | Cent. N.Y. |
| Weber Duck Farm | 469 | 450.40 | Florida |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(61 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 592 | 562.10 | Georgia |
| T. S. Townsley | 521 | 512.70 | Georgia |
| Booth Farms | 462 | 457.40 | Missouri |
| Homestead Farm | 495 | 454.45 | Penna. |
| Tender Broiler Hatchery | 483 | 449.05 | Okla. |
| Holtzapple Poultry Farm | 467 | 446.05 | Michigan |
| Oscar W. Holtzapple | 467 | 441.00 | Penna. |
| Kalerok Farm | 435 | 440.35 | Rhode Isld. |
| Earl C. Dunham | 450 | 430.50 | Georgia |
| Albert C. Lawton | 418 | 421.55 | Rhode Isld. |

AGAIN 1938—PARMENTER!

IMAGINE the same strain of fowls winning TWO CONTESTS the same year. FOUR different times! [1931—1935—1936—1938]

During the past 8 years

PARMENTER'S RED'S PEDIGREED SINCE 1915

WON 11 CONTESTS over all breeds

HIGHEST RED PEN 24 contests

5 Contest hens (5) scored over 340 pts., 24 over 300 pts., 1938.

The greatest money-making strain of fowls in existence, regardless of breed or color; as proved by official contest figures.

This is the strain that will make money for YOU. Send for prices.

*U.S.R.O.P. Chicks, Eggs, Males*

E. B. PARMENTER, 477 King St. Franklin, Mass.

WHITE PLYMOUTH ROCK

BABY CHICKS.... $12. PER 100

EGGS FOR HATCHING.... $7. PER 100

JOSEPH TOLMAN

All Eggs used are from My Own Breeders. 100% State Tested (BWD free). Tube Agglut. TOLMAN'S ROCKS famous for generations for EARLY MATURITY and RAPID GROWTH. Exactly suited for Broilers and Roasters.

Send for FREE Circular

I SPECIALIZE—ONE BREED ONE GRADE AT ONE PRICE

Dept. E ROCKLAND MASS.

EBENWOOD'S N. HAMPSHIRES

WIN highest Hamp. score in EVERY CONTEST ENTERED

| | |
|---|---|
| Maine | 2839 pts. |
| Farmingdale | 2878 pts. |
| Passaic | 3289 pts. |

If you want Hamps. better get mine. They've made money for me. Ought to, for you.

Also BARRED ROCKS and REDS bred like the Hamps. Large eggs.

State Tested 100% Pullorum Clean

GOOD STUFF—NO FANCY PRICES

Catalog free. Send for it.

EBENWOOD FARM

EBEN WOOD, PROP.

Box 999 West Bridgewater, Mass.

CONTENT FARMS

*100% LIVABILITY*

Our White Leghorn pens at 1938 Western and Central New York Contests had 100% livability while laying 5,959 eggs and 5,974 points. Entire flock Pullorum clean, tube tested. If you want profitable flock averages of big eggs, write for our catalog.

CONTENT FARMS. Box E. Cambridge, N. Y.

HOLTZAPPLE'S White Rocks

HIGHEST at all Laying Tests!

Our Georgia pen leads all White Rocks to December 1 with 592 eggs, 562 pts. Our high hen at Georgia tops all White Rocks with 56 eggs, 59 pts. Also highest in breed at Mich., second in breed at Penna. Bred for greater profits. 2000 granddaughters of 290-272 egg hens mated to 290-307 egg ROP pedigree males. Nine years ROP Trapnested. Chicks, eggs, pedigree cockerels, pullets available. Write now for circular and prices.

OSCAR W. HOLTZAPPLE, BOX 13, ELIDA, OHIO

These New Hampshires belonging to Eben Wood, Massachusetts breeder, were just waiting to get in the nests of their pen at the Passaic, N. J., Egg Laying Test, when this picture was snapped. The 13 birds in this pen laid 3172 eggs and earned 3288.65 points in the 51 weeks, thus averaging 243.9 eggs per bird, and breaking all previous New Jersey state records for the breed. They were the third highest New Hampshire pen in the entire country for the year.

### Williams's Birds Put on Pressure

A. J. Williams's New Hampshires beat all other pens at Florida during November and pushed ahead of other pens in that breed to seize first place. Eben Wood ranks second, with Pine Top Poultry Farm in third place.

Dryden Poultry Breeding Farm has the two leaders in Barred Rocks. Eben Wood claims third high pen, and then Weber Duck Farm has fourth, fifth and tenth. Fuzzydele Farms' pen at Storrs worked into sixth place.

Oscar W. Holtzapple has a 50-point lead in the White Rock section over second-place T. S. Townsley. Booth Farms flew from below the top ten to third place. Homestead Farm leaped into fourth position from ninth place last month. Besides having the leaders, Holtzapple also ranks sixth and seventh.

Please remember, when comparing these records, that the Storrs Test and the New York State Test were a week behind all others in starting, and will run a week longer next September.

### Illinois Test Finishes First Month

Mrs. Curtis Manshak's 10-bird pen of White Rocks led all other pens for the first month at Illinois, with 164 eggs and 155.55 points. Mapleside Poultry Farm's Barred Rock was high individual with 28 eggs and 28.60 points.

### Kauder's Leghorns Lead at Vineland

Kauder's White Leghorn hen, in the six-year class, leads all hens at Vineland, with a total of 1188 points. Kauder's pen, in the four-year class, leads all pens with 9241 points. J. A. Hanson's Leghorn pen in the three-year class has 6568 points and is followed by Kauder's pen, having 6540 points. J. J. Warren's Reds lead in the two-year class, with 4351 points.

J. A. Hanson's 13-bird pen of White Leghorns leads at the Pennsylvania Hen Test with a total of 3939 eggs and 4198 points.

### Wegatepa Reds Take Many Honors

Wegatepa Rhode Island Reds at the New Jersey R.O.P. Progeny Test made an enviable record in November by walking off with highest pen for the month with 388 eggs and 376 points, highest family for the month with 132 eggs and 133 points, highest pen to date with 607 eggs and 588 points, and highest family to date with 241 eggs and 242 points. Eli H. Bodine and Stroehlein Brothers tie for second place in the number of points. The Bodine Leghorns laid 589 eggs, earned 542 points, and the Stroehlein Leghorns laid 553 eggs, earned 542 points to date.

KAUDER'S

*Pedigreed* LEGHORNS *And* NEW HAMPSHIRES

NINE OFFICIAL WORLD RECORDS FOR LONG LIFE-TIME PRODUCTION

REDUCED PRICES ON 1939 CHICKS

Save two ways; 1st, Prices Reduced. 2nd, Advance Order Discount

Let Kauder Chicks help you to gain extra Livability and extra production from your flock. Layers raised from Kauder's Chicks will help you to increase egg production 10% and more through INHERITED Livability from PROVED ANCESTORS. In the Vineland Hen Contest, my hens have dominated from the start—now holding more World Records for high Life-Time averages than all other strains combined.

WORLD RECORDS for

1. Highest Pen, 2-year old Hens.
2. Highest 2-year old Hen.
3. Highest 2-year old Hen, Second year Production.
4. Highest Pen, 3-year old Hens.
5. Highest 3-year old Hen—Third Year Production.
6. Highest Pen, 4-year old Hens. 10-Birds.
7. Highest 5-year old Hen.
8. Highest 5-year old Hen. Fifth year Production.
9. Highest Pen, 4-year old Hens. 13-Birds.

KAUDER'S 1939 CHICKS—Carry Direct Breeding and closely related to my Vineland Life-Time Champions

My 1939 Leghorn Chicks sired by PROVED MALES from 270-351 Egg Dams; 300-351 Egg Sires. These Males either sons of my Vineland Hens or closely related to them by pedigree. My New Hampshires carry equally strong breeding from PROGENY TESTED Bloodlines.

ADVANCE ORDER DISCOUNT on Chicks and Sexed Chicks

You save by ordering immediately. Write for New FREE Catalog, just published.

IRVING KAUDER, Box 101, New Paltz, N. Y.

LEADER

WHITE LEGHORNS

High Pen to Date, All Breeds, Pennsylvania Test

5th Pen to Date, All Breeds, in the United States

While Leader Leghorns have never been entered in more than two laying tests in one year, they are remarkably consistent as heavy egg producers.

Won High Pen, all breeds, Pennsylvania test for 1933, 1934 and 1936. High Pen, White Leghorns, Pennsylvania 1938 test. Second Pen, White Leghorns, 1938 Storrs test. High Hen, all breeds, 1938 Pennsylvania test—325 eggs and 353.65 points.

11,000 Breeding Birds

No hatching eggs bought. All chicks sold come from eggs laid on my own 11,000-bird, 77-acre farm. Leader Leghorns are backed by 28 years of breeding for ruggedness, large egg size, high average yield and robust health.

250 to 337 Egg Breeding

Matings headed by males out of hens of 250 to 337-egg breeding. Bloodtested.

WRITE FOR CATALOG

Get the complete story on Leader Leghorns by writing for our new 1939 catalog.

GUY A. LEADER, Rt. 2-E, York, Pa.

R.O.P. HANNAH

S. C. WHITE LEGHORNS

LONG-LIFE BREEDING

Sires in our R.O.P. Matings from 14 generations of Long Life Dams that laid: 240-341 Eggs, 1st year of lay. 200 Eggs or more, 2nd year.

BABY CHICKS · SEXED CHICKS · EGGS

Correctly bred in 3 most Important Factors to YOUR POULTRY PROFITS! (1) High Livability (2) High Production (3) Long Laying Life

Entire strain propagated from hens, 2 to 8 years old and their offspring. 55 Pedigreed R.O.P. Matings headed with Sires from 3-year-old Progeny Tested Hens, 240 to 341 Eggs.

One of FOUR HIGHEST 5-Year Averages

Poultry Item's Official Report, 247 Eggs; 251 Points per hen. We select families for breeding with PROVEN HIGH AVERAGES in both Production, Livability. Your success more certain with stock from Progeny Tested Bloodlines. Free Bulletins: "Brooding Better Chicks." Liberal early order discount. Save by ordering now.

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World Famous, Vigorous, High Production

Leghorns and Rocks

Chicks—Hatching Eggs—Breeding Stock

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Buy from BRENTWOOD and be sure of satisfaction.

BRENTWOOD stock, bred for profitable quality, is from one of New Hampshire's largest state accredited flocks, 8500 breeders, 100% B.W.D. free. Their low mortality, good feathering and great laying ability keep customers coming back. Sold on satisfaction or money-back guarantee. Write today for catalog telling about these wonderful BRENTWOOD New Hampshires.

BRENTWOOD POULTRY FARM

MELVIN MOUL

BOX E. EXETER, N. H.

Do You Go Direct to the Hatchery or Farm for Your Chicks?

If you visit a breeder or hatcheryman as a result of seeing his advertisement in EVERYBODYS and place your chick order with him, we shall count it a favor if you will mention that you saw the advertisement in Everybodys Poultry Magazine.

## *Here's a "Queen" Among at-Home Frocks*

Call this a "queen" among at-home frocks, and you're entirely right . . . for it sponsors not only neatness, slimness and good taste, but also ease of making! Why don't you send for Pattern 705 today, and turn dressmaker for a few short hours? You'll be so glad you did — especially when holiday-weekend guests hand out compliments! Just look at the way the all-in-one yoke holds in the generously cut bodice. There's plenty of room for action there—whether it's managing a broom, swinging a golf club, or steadying the wheel of your car. The sleeves also are a delight, whether airily slashed, or open-cap type. Pick bright synthetic or cotton, and make one dress with the youthful collar, then another with the charming lace-edged, sweetheart neck.

Pattern 705 is cut in women's sizes 34, 36, 38, 40, 42, 44, 46 and 48. Size 36 requires 3⅞ yards 36 inch fabric.

Send FIFTEEN CENTS (15¢) in coins for this pattern. WRITE CLEARLY SIZE, NAME, ADDRESS AND STYLE NUMBER.

Pattern Department

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

### Spring Pattern Book Ready!

Exciting new chic—in our latest Spring Pattern Book that's just off the press! Send for your copy at once, and see what Fashion has in store for you! It's a gilt-edged investment in smartness and thrift and presents the easiest-to-sew patterns you ever saw. A brilliant collection of the most up-to-the-minute styles for Tot, "Growing-up", Miss and Matron . . . designs suitable for every occasion, now and all Spring long! Sportswear—street and afternoon frocks—party gowns—lingerie! Clothes for classroom, office and the home with valuable suggestions for the bride and sweet girl graduate . . . as well as modes that prove a matron is as slim as she looks! Included are notes about new fabrics and accessories. Order this scintillating book TODAY, and start planning your Spring wardrobe now! Price of Book 15 cents.

Pattern Department

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

*Conducted by Aunt Sally*

# Everybody's Home Page

### Give to the New Year

A perfectly new year lies ahead, and a feeling comes that in place of resolutions and turning over new leaves, why not continue the spirit of Christmas and keep on giving? Not gifts to a certain few or to the poor within our gates, but give to this unseen guest, the NEW YEAR, our BEST. The apathy we meet every day is appalling.

Using an every day expression, many are "laying down on the job" of life, just when the need to restore a right living level, is for everyone to awaken to his own sense of importance and a right application of dividing our time. Chins up, outlook clear and a-going forward with our BEST and a Happy New Year!

### Once Upon a Time

Whew! What a rush everybody is in. No time for this or for that, a pellmell in all directions and what is the outcome? Telephones and radios are a great pleasure and convenience, but they do interfere with earned leisure and quiet contentment.

Here in the North, storms and ice often do a kindness by enforcing leisure, and we find extra time on the day or evening too stormy or slippery to keep distant engagements. Then it is we can bring out the treasured bit of knitting, crocheting, or the almost forgotten needlepoint, and meditate before the open fireplace, like we did "once upon a time."

Prominent persons advocate that every woman ought to walk at least, one mile a day, and tell of stairways being built for an indoor avenue of exercise. The average homemaker does not feel the need of more, but less steps, to lead her into the path of leisure. Looking forward to an occasional free hour in 1939, plan to have a piece of fancywork ready to pick up during the next few months of wintry days.

### Potato Hints

When baking potatoes, let them stand in very hot water for 10 minutes before placing in the oven. They not only bake quicker, but the skin will be very tender. A potato ricer not only insures smoothly mixed mashed potatoes, but it can be used to strain apple sauce and cranberries.

### Winners of $1.00 Awards in One-Dish Dinner Contest

#### Chicken Pie

"Here is my favorite one dish dinner—a chicken pie! It can be varied according to the size of the family and is a splendid way to use up left-overs."

Stew 3 medium sized carrots, 1 large onion, 1 small bunch of celery, 2 medium sized potatoes, ½ pint peas, either fresh or canned. Dice or cut all into small pieces and place over the fire with 4 to 6 cups of broth, preferably that in which the chicken has been cooked. Add 2 cups of diced chicken and if any canned vegetables are to be used, drain well before adding to the broth. When cooked tender, push to one side of the pan and thicken the broth with a flour thickening, free from lumps. Add choice of seasonings, toss about easily and pour into a casserole. Cover the top with small biscuits and bake in a moderate oven until they are nicely browned. Serve from the casserole.—Mrs. Genevieve Morrison, Pulaski, N. Y.

### Single Crust Pie

Send in your favorite single crust pie recipe before January 14, so that the February issue can carry the prize winning recipes. All recipes submitted become the property of Everybodys. One dollar will be paid for each contribution published. Address Aunt Sally, Everybodys Poultry Magazine, Hanover, Pa.

#### Beef Balls and Spaghetti

Cook until tender, 1 can of tomatoes, 1 shredded green pepper, 1 onion sliced, 2 sprigs of parsley and water to cover with your choice of seasonings. When tender press through a coarse sieve into a casserole or baking pan. Prepare the meat by mixing a well beaten egg, ¼ cup of bread crumbs, 1 teaspoon of grated onion, ½ teaspoon of salt with the 1 pound of ground steak. Form into balls. Heat drippings in a frying pan and brown the meat balls on all sides.

Place the meat in a casserole with the vegetable mixture and bake for 40 minutes. Have 1 pound of spaghetti boiled in salted water until tender then drained. Remove the meat balls from the casserole, add ½ pound grated cheese and the spaghetti, placing the meat balls over the top. Return the casserole to the oven and heat thoroughly. Serve from the casserole.—Mrs. Allen Burgin, Franklin, Mo.

#### Fruit Pie

Line a deep baking dish with a rich biscuit dough, rolled rather thin. Cover with a layer of ripe sliced peaches or canned halves cut into pieces. Add either the canned juice or cold water, about the same quantity as if serving the fruit. Mix ½ teaspoon of nutmeg and 1 tablespoon of flour with 1 cup of sugar, lessening the sugar measure if sweetened canned fruit is used. Sprinkle ½ of the sugar mixture over the fruit layer and cover with a second sheet of biscuit dough. Add another layer of fruit, sugar, mixture and the juice.

### Crochet Set—Pattern 6224

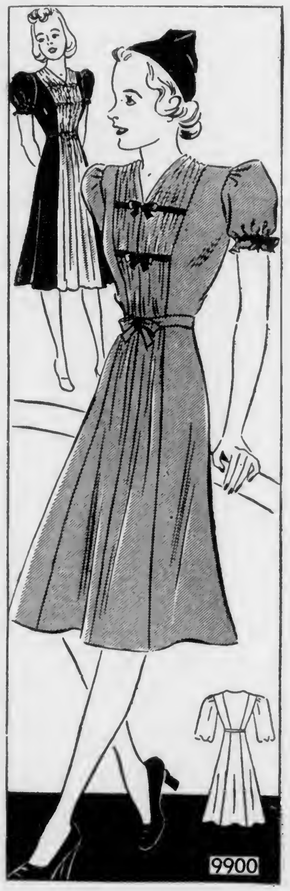
She'll be proud as a peacock to wear this set so why not delight her with it? Made of sport yarn, it's mainly single crochet (which gives it a firm body) with picots for decoration. The muff is a combined purse and muff—very grown-up and stylish! Pattern 6224 contains instructions for making the set shown; illustrations of it and of stitches used; materials required.

To obtain this pattern, send 10 cents in coin to **Pattern Dept., Everybodys Poultry Magazine, Hanover, Pa.**



For the top cover, when it is rolled, spread generously with butter, then make your accustomed pie "design" so that there will be openings for the steam to escape and prevent boiling out over the sides. When spread over the pie, pinch the edges the same as for a berry pie. Place in moderate oven and bake until a golden brown and really baked through, so that the center crust will be light, not doughy. Serve with cream while still warm.

Any sort of fruit may be used for this family dinner pie, and if there is remaining juice, thicken it to use as an extra sauce on the servings. This makes a hearty dish for supper, these leisure winter days.—Mrs. J. R. Massie, Perkinsville, Virginia.




### Glamor for "Miss Popularity"

Here's a "pulse-quickener" to delight your best beau! Run it up in time for your next party, then you'll have a dress triumph to last all winter! Pattern 9900 is new as tomorrow's news—yet it is so simple of line, and so easily made, that a mere beginner would enjoy the task set by the diagrammed Sew Chart! Look—shirring or contrasting ribbon holds in the soft fullness of those long front panels, which may match or contrast! Why not pick a flattering novelty silk for the one-color version, and crepe satin (using both sides) for the contrast-panel style? The sleeves are sweet and pretty, whether short or three-quarter length. Order your pattern today.

Pattern 9900 may be ordered only in junior and misses' sizes 10, 12, 14, 16 and 18. Size 14 requires 3⅞ yards 39 inch fabric. Price 15 cents (in coins).

Pattern Department

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

# Our Garden

Seedsmen and nurserymen have their catalogs ready for you. Mail for yours now so you can start right away to plan your plantings for this Spring.

### Clean Up Your Tools

Now is a good time to get your garden tools in shape for another year. Scrape off all dirt and rust. Wash thoroughly and allow to dry. Paint them a bright color so they will be easier to find in the grass and on the ground and will last longer.

### Rotate Your Crops

Plan your garden so vegetables are not planted in exactly the same places that they were last year. This plan of rotating crops not only helps the soil, but is valuable because diseases which may live over the winter in the soil, affecting one vegetable, do not usually attack other vegetables.

### Prevent Damage from Mice

To overcome damage by mice to canes in the berry patch during the cold winter months, lay cream bottles containing poisoned grain among the plants. Cover the bottles with grasses or straw.

### How Large Should the Garden Be?

There are about 15,000 feet in rows in an acre when the rows are three feet apart. About 1,150 feet will grow enough vegetables for one person. A quarter of an acre will supply all but dry beans and potatoes for a family of five or six. Family tastes determine how much space should be devoted to each vegetable.

### Garden Tractors Make Work Easy

How about a garden tractor to make your cultivating and other odd jobs around the garden, orchard, and poultry ranges easy. You can speed up your work and save a lot of valuable time. The heavy rubber tires get a good grip on wet, slippery ground. They're economical to run, too.

### Make Seed Boxes in January

Early winter months offer a good time to repair all old "flats" and to make new ones for starting seeds in the hotbeds or cold frames.

### Planning Your Strawberry Plot

If you are figuring on starting strawberry plants this year, use old ground without sod, wherever possible, as the grubs damaging strawberry plants are worse in sod. Since experiments show that 90 per cent of strawberry roots are to be found in the top 6 inches, the need for fertile, well prepared top soil is evident.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# Worthwhile Information

In the booklets and circulars offered by manufacturers serving the poultry industry, you'll find many ideas that will mean profits for you. Here are a few such pieces of literature which can be obtained by WRITING DIRECT to the address appearing after each listing.

**How to Brood Your Chicks** — A new complete treatise on brooding.—Kasco Mills, Dept. E, Waverly, N. Y. or Toledo, Ohio.

**The Easy, Economical Way to Raise Baby Chicks**—A new book filled with concise information on how to start your chicks, temperature conditions, preventing losses, feeding, etc. — The Quaker Oats Co., Dept. A4, Chicago, Ill.

**The Key to Better Health and Larger Profits**—A folder describing Semi-Solid Produlac, a by-product used as a supplementary feed for poultry. Tells how to feed to chickens, ducks and turkeys. —Produlac Division, National Distillers Products Corp., Dept. 2, 120 Broadway, New York City.

**How to Sell Your Litter for Fertilizer**—Tells you how to make a profit from your litter instead of it being an item of expense.—Peat Import Corp., Dept. EPM-1, 155 John St., New York, N. Y.

**Wood Charcoal in Poultry Feeding**—A booklet telling how wood charcoal is used in overcoming indigestion, sour crop and bowel disorders in poultry.—Wood Charcoal Research Bureau, P. O. Box 389, Desk E, Jacksonville, Fla.

**Infectious Bronchitis Vaccination** — This 8-page bulletin describes infectious bronchitis symptoms and the use of vaccine to control this dreaded disease. It tells how to prepare the flock for vaccination, how to vaccinate, and how to care for the flock after vaccination. —Vineland Poultry Laboratories, Box 70-C, Vineland, N. J.

**Nature's Masterpiece—Calcite** — A 32-page booklet discussing the value of calcite as grit and as a source of lime for bone development and egg shell formation.—Limestone Products Corp. of America, Dept. 687, Newton, N. J.

**Larro Chick Book**—Contains valuable brooding hints on starting temperatures, number of chicks to house, feeding methods, etc.—Larrowe Milling Co., Dept. D, Detroit, Mich.

# PRACTICAL POULTRY MANAGEMENT

By J. E. Rice and H. E. Botsford, Cornell University. This is a book that we can recommend highly for the novice or the seasoned poultryman. It covers practically all phases of poultry management, is well illustrated and is written so anyone can understand it. The third edition is up-to-date in its recommendations. 592 pages, 319 illustrations, cloth bound, $2.75.

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EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania



## American Poultry Aids Near Eastern Countries

By C. E. Lee

Seven years ago poultry from some well known northeastern strains was introduced into Izmir (Smyrna) province and in the province of Thrace. A recent letter from his Excellency K. Dirrik, Inspector General of the province of Thrace contains the following statement: "This stock is playing an important role in the domestic economics of the Thrace region. Our Minister of Economics is planning to form co-operative markets where the farmers can dispose of their products. Our instructors and agriculturists are taking great interest in this question of domestic economics and are gradually managing to get rid of antiquated poultry houses and are replacing them with modern ones as you can see by the enclosed photographs."

In 1931 Dr. Frank W. Ober, Honorary Secretary of the Near East Foundation's Agricultural Council, forwarded through the medium of the Staff of Robert College, Istanbol, twenty-five birds, including both Leghorns and Rhode Island Reds. Some White Rocks were also sent and some Barred Rocks. This stock was donated by Mrs. John E. Rankin, Huntington, Long Island, Albert Shaw Jr., New York City, Robert C. Cobb, Old Pickard Farm, Littleton, Mass., Oscar E. Kent, Cumberland, Maine, and R. Walter Bishop, Guilford, Conn.

Inspector General Dirrik of Thrace was at that time Governor General of the province of Izmir. He reports that the breeding stock sent was raised very successfully and increased rapidly in number.

From this stock in Izmir province, on his appointment as Inspector General of Thrace, Mr. Dirrik brought more than 100 birds to Edirne, Thrace, and there continued the business of breeding and raising these birds in modern poultry houses.

He relates that to conduct these inovations properly he has sent 13 instructors for training to Budapest and at the present time has established 100 stations for poultry and rabbit breeding and distribution in Thrace. Stock, eggs, and chicks were supplied the late President of the Turkish Republic, Kemal Pasha Ataturk, at Angora, and parent stock of American bred birds have also been sent to a member of other points in Turkey.

Poultry Station in Thrace.

The part which has been played by the Near East Foundation in improving the agriculture and economy of these Near Eastern countries through donations of American breeding stock and assistance of technical experts, as well as by the organizations of schools and hospitals, has given stability to many of these countries and, thereby, has been a great force for peace. Americans who furnish stock for this purpose can well be proud of the record it has made in the Near East and the good that has been done which has affected the lives of countless thousands hard put to maintain even a bare subsistence level.

## A Brief Breed Story

### The Rhode Island Red

It is not recorded in poultry history who originated the Rhode Island Red breed. No one probably will ever solve the problem, because the development of the breed was so gradual that no one took that trouble or thought it worthwhile to make inquiries about the matter.

The belief that red plumaged fowls seemed to stand the New England climate better than those with other colored plumage, may have had something to do with the widespread distribution on the farms in the Rhode Island State. The farmers of the State, especially of the Little Compton district, had specialized for many years on the production of fine table fowls, and since the red breeds had lots of vigor, matured early and were fairly good layers, other breeds had little chance to gain their favor.

Two men stand out prominently in bringing somewhat of a uniformity into the breed. Wm. Tripp of Little Compton and John Macomber of Westport. They were marketmen and specialized on high-class table fowls which they bred and picked up among the farmers and sold in nearby big towns.

The real progress of the breed however did not come until the breed was admitted to the Standard of Perfection in 1904. Since then they have become World famous. They are bred and exhibited now in every country of the World. Since their admission to the Standard many other new breeds have also been admitted, but so far Rhode Island Reds have retained popular favor as a "made in America breed" that is "all wool and a Yard wide."

### Characteristics

Rhode Island Reds are considered a fine commercial breed. They are good layers throughout the entire year of good sized brown shelled eggs. Their shape, which has been described as "brick type" is such, that an abundance of breast meat can be developed on the bone structure.

The breed is extremely vigorous and matures quickly for its size. They are ideal for broilers. They are a docile breed and their brilliant red color is very attractive. Their skin and legs are yellow and, when dressed, make a fine appearing car ass.

Two varieties are recognized by the American Poultry Association—the single comb and the rose comb, this being the only difference in the two varieties.

The desired Standard weight for the breed is 8½ lbs. for cock, 7½ lbs. for cockerel, 6½ lbs. for hen and 5½ lbs. for pullet. Rhode Island Reds form one of the largest classes at the shows.

### Common Exhibition Defects

Since very little attention was paid to uniform type, the early Rhode Island Reds

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My customers are successful. They get lots of large eggs because egg laying is bred into Fairport chicks. Customers report egg production above their expectations (60 to 70% production all winter), and mortality lower than anticipated (½ of 1% and less) also report Leghorn FLOCK averages of *175 to over 200 eggs per bird*. Our own foundation flock of 1400 Leghorns averages from *230 to 235 eggs per bird* in pullet year and 175 eggs in their second year.

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differed considerably in shape, but since their admission to the Standard the breed has made perhaps the greatest progress of any in the shortest time.

The shape is now so well understood that the judge has his hands full when he has to pass on a large class of pullets in their prime. The most common defects which are found in the breed are—body too short, narrow or deep-roach back on females—short backs and high tails on males—main tail feathers spread as to allow sickles to drop in between—scanty tail plumage—whip or sword tails—pinch tails on females—legs too long or too short — snake heads — coarse textured heads — legs not centered — stubs or feathers on shanks and toes — birds of small size—off colored feathers in plumage.

## Egg Records

Some very unusual records have been made by Rhode Island Reds in the egg laying tests, for quite a large number of breeders have succeeded in developing egg laying ability to a high degree in their strains. This is particularly true in New England.

In the 1938 laying tests, Rhode Island Reds won over all other breeds for high pen and high hen honors. Six of the 10 highest pens in the country were Reds. The winning pen, owned by Homestead Farms of Connecticut, averaged 285.77 eggs and 307.74 points per bird. The high hen, owned by J. J. Warren of Massachusetts, laid 341 eggs and scored 369.55 points, establishing a new high individual record for Reds.

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**Offers Plan to Examine Chick Sexers**—The International Baby Chick Association has offered a plan to have those sexing chicks for breeders and hatcherymen, divide 200 chicks according to sex in a time limit of 25 minutes with at least 94 per cent accuracy. The examination would be held under official supervision in each state.

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**This year marks the 50th anniversary of the founding of the Parks strain of Barred Rocks. Back in 1889, J. R. Parks bought 16 hens from the veteran breeder, A. F. Hunter. By 1895, the present "Joe" Parks (above), while yet a boy, got the "chicken fever" so bad from just being around his father's small flock that he neglected his lessons and everything else to be with them. By 1916, when his father passed away, young "Joe" and his father had developed many birds with records of over 250 eggs. His son Robert, who graduated from Penn State College in 1931 where he studied poultry, is now associated with him in the operation of the business. Barred Rocks from this Pennsylvania farm are now found on five continents.**

# News Notes

## CALENDAR OF EVENTS

Jan. 4-8, The New York Poultry Show, New York, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N. Y.

Jan. 9-14, Pittsburgh Poultry Show, Duquesne Garden, Pittsburgh, Pa. J. J. Bedel, Secy., 59 Park St., Millvale, Pa.

Jan. 10-13, Maryland State Poultry Products Show, Fifth Regiment Armory, Baltimore, Md. W. H. Rice, Mgr., University of Maryland, College Park, Md.

Jan. 11-15, 90th Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

Jan. 16-20, Pennsylvania Farm Show, Farm Show Building, Harrisburg, Pa.

Jan. 21-27, New Jersey Farm Show, Armory, Trenton, N. J. William C. Lynn, Mgr.

Jan. 30-Feb. 11, Ohio Poultry Keepers' School, Ohio State University, Columbus, Ohio.

July 25-Aug. 7, Seventh World's Poultry Congress and Exposition, (July 25-27, Washington, D. C.; July 28-Aug. 7, Cleveland, Ohio.)

## SHOW DATES

Jan. 4-6, Union Agricultural Meeting & Egg Show, Worcester, Mass.

Jan. 4-8, Central States Poultry Show, New Castle, Ind. Wm. Pickens, Sec.-Treas., R. 2, Newcastle, Ind.

Jan. 11-13, Middletown Poultry Show, Middletown, Conn. John L. Fick, Sec., Middletown, Conn.

Jan. 12-15, 31st Annual Show of Dayton Fancy Feather Club, Dayton, Ohio. Carl F. Schilling, Sec., R.R. 7, Dayton, Ohio.

Jan. 30-Feb. 3, Annual Baby Chick Show, Poultry Science Club, Ohio State University, Columbus, Ohio.

Feb. 28-Mar. 3, Fifth Mohawk Valley Baby Chick and Egg Show, State Armory, Gloversville, N. Y. For information, write H. T. Huckle, County Agricultural Agent, Gloversville, N. Y.

**Maryland Show to Have Live Bird Exhibits**—The Seventh Annual Maryland Poultry Products Show, to be held in Baltimore, January 10 to 13, will include live bird exhibits of chickens and turkeys this year, in addition to the egg and chick shows. Two special progeny classes will be provided to encourage better breeding practice among Maryland breeders. Liberal awards will be made in all classes.

## CONDITIONS

**More Pullets on Farms**—Average number of pullets not yet of laying age on farms December 1 was reported at 21.7 compared with 19.8 in 1937, an increase of about 10 per cent.

**Egg Production Hits New High**—Average number of eggs laid per 100 layers in farm flocks on December 1 was 19.9 compared with 18.6 a year ago and 14.7 for the 10-year average, 1927-36. This is a new high mark for December, exceeding the previous high mark in 1937 by 7 per cent and the 10-year average by about 35 per cent. Total egg production was about 13 per cent above the previous high level of December, 1937, and about 32 per cent above the 10-year average.

**Number of Layers Below Average**—The average number of layers in farm flocks on December 1, according to the U. S. Bureau of Agricultural Economics, was 78.0, compared with the record low of 74.4 on the same date last year and the 10-year average (1927-36) of 81.1.

**Less Eggs from West Coast** — Egg receipts at Pacific Coast primary markets for the seven weeks ending December 10 were 19.49 per cent less than for the corresponding period a year ago.

**The egg-feed ratio**, compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1936 | 1937 | 1938 |
|---|---|---|---|
| November 24 ..... | 6.5 | 5.9 | 4.6 |
| December 1 ..... | 7.0 | 6.4 | 4.4 |
| December 8 ..... | 7.3 | 6.7 | 4.7 |
| December 15 ..... | 7.75 | 6.1 | 4.8 |

**Largest November Hatch on Record**—Approximately 31 per cent more eggs were set during November than a year ago, 4 per cent more chicks were hatched, and 13 per cent more chicks are booked for delivery December 1 and later, according to the hatchery report of the U. S. Bureau of Agricultural Economics. Chick production during November, slightly larger than that of a year ago, was the largest on record.

**More Young Stock Sold in Midwest**—Receipts of young stock at midwestern primary markets during the week ending December 10 showed an increase of 105 per cent over those of the same week in 1937, and were 47.4 per cent greater for the seven weeks ending December 10 than for the corresponding period a year ago.

## EGG PUBLICITY

**President Boosts Eggs** — President Roosevelt gave a boost to eggs in his Chapel Hill, N. C., speech early in December when he declared, "I am a devotee of scrambled eggs."

**Fresh Egg Institute Distributes Calendars**—More than 10,000 calendars, advertising "EGGS for Health, Economy, Good Taste!" have been sent out by the New England FRESH EGG Institute to New England poultrymen who have agreed to give them to consumers. Close to 20,000 of these handy reminders for housewives will be distributed within the next couple months.

## ORGANIZATION

**Gasson Re-elected Auction Head**—Paul Gasson, Versailles, Ohio, was recently re-elected president of Poultry Producers' Association, operators of the Versailles (Ohio) Egg Auction. Other officers are Horace Cromer, Fletcher, Ohio, vice-president; Louis Marshall, Versailles, Ohio, secretary-treasurer.

**Bennett Re-elected Auction President**—M. W. Bennett, Royersford, Pa., was recently re-elected president of the Tri-County Producers Cooperative Association, operator of the Center Point, (Pa.) Egg Auction. Other officers elected were Paul R. Guldin, Yellow House, Pa., vice-president; Elmo Underkoffler, Gilbertsville, Pa., secretary; and Arthur S. Anders, Norristown, Pa., treasurer. M. M. West was elected a member of the board.

**Auction Opens New Building**—Producers Cooperative Exchange of Coatesville, Pa., held its first sales in its new, modern auction building during the week of December 19. The building has a large egg holding room and handling facilities for producing a fine quality package.

**Poultry Meeting Planned for Farm Show**—The semi-annual meeting of the Pennsylvania State Poultry Association will be held Wednesday and Thursday, January 18 and 19, in connection with the annual Pennsylvania Farm Show, Harrisburg, Pa. Following is the program:

WEDNESDAY—January 18

10:00 A.M.—"How Turkeys are Produced and Marketed in New England"—G. T. Klein, Poultry Specialist, Amherst, Mass.

"Protein Levels for Poultry"—T. B. Charles, Head of Poultry Department, Durham, N. H.

Business Meeting of the Pennsylvania State Poultry Association.

1:30 P.M.—"Growing the 1939 Pullets" — H. D. Munroe, Allied Mills, Harrisburg, Pa.

"Important Factors in Marketing Poultry Meat"—James M. Gwin, Poultry Marketing Specialist, College Park, Md.

"True and False Poultry Examination Contest"—Two teams competing. One team composed of poultrymen from Pennsylvania, the other team from men in the poultry equipment, feed and allied industries. Prizes for the winners.

THURSDAY, January 19

10:00 A.M.—"Brooding Systems Found Practical"—T. B. Charles, Head of Poultry Department, Durham, N. H.

"Eggs That the Consumers Want to Buy"—James M. Gwin, Poultry Marketing Specialist, College Park, Md.

1:00 P.M.—"Latest Reports on the Seventh World's Poultry Congress"—E. J. Lawless, Bureau of Markets, Harrisburg, Pa.

"Trends in Poultry Equipment"—P. S. Martin, Shenandoah Manufacturing Company, Harrisonburg, Va.

**The New Hampshire R. O. P. Association** has issued a pamphlet on its work. It may be had by writing Secretary-Treasurer W. C. Goodson, Tamworth, N.H.

## EGG GRADERS

**Hearing on Egg Standards Scheduled**—A hearing is scheduled to be held by representatives of the U. S. Department of Agriculture on January 23 in Washington, D. C., to consider evidence for establishing standards of identity under the new Food Act for eggs, liquid whole eggs, liquid mixed eggs, frozen whole eggs, dried whole eggs, egg yolk, frozen egg yolk and dried egg yolk.

## LEGISLATION

**Expect Fresh Egg Law in Indiana**—Numerous Indiana farm organizations are expecting Indiana state legislature to pass a fresh egg law in its next session. The proposed law would provide creation of a board to determine definitions and

**Elam Sprunger, pioneer Indiana chick sexer and specialty breeder of S. C. White Leghorns, announces the purchase of a 68 acre poultry farm at Coopersburg, Lehigh County, Pennsylvania. The addition of this farm and hatchery became necessary to supply the increased demand for Sprunger's White Leghorn chicks in the east. Sprunger's home plant and main office are located at Fort Wayne, Indiana. Besides Coopersburg, Mr. Sprunger operates two other branches at Oberlin, Ohio and Binghamton, N. Y. He now has a breeding flock of more than 4,000 birds on the home farm alone.**

WHICH WILL IT BE?
62¢ PROFIT PER HEN — 80-120 EGGS PER BIRD
or
$2.07 PROFIT PER HEN — 161-180 EGGS PER BIRD
Breeding Makes the Difference
All chicks may look alike but they won't all produce alike. Don't let a low price for cheap chicks deceive you when it's their BREEDING which determines your profits. If you want big eggs and high flock averages decide now to get STROEHLEIN White Leghorns—a strain which has proved to the world that it has these factors firmly fixed.
HIGHEST 5-YEAR AVERAGE
From 1933 to 1937 the Stroehlein pens scored the highest 5-year average of any breeder entering New Jersey official egg laying contests. At Hunterdon they laid 2518 eggs to score 2577.28 points. At Passaic their record was 2512.4 eggs with 2594.15 points. Every Stroehlein bird in both tests averaged 250 eggs a year over a five year period. Still More Proof: Our Leghorn pens in Poultry Item's Breeder Award (5 pens) ranked fifth for average 5-year production, with a record of 243 eggs per bird and 244.4 points. This was in competition with the country's best breeders.
New Jersey U. S. Certified Chicks
Stroehlein White Leghorns are state bloodtested, state culled and sired by R.O.P. males. Also White Rocks, Barred Rocks and New Hampshires. Send for free catalog and prices.
PEDIGREED WHITE LEGHORNS
STROEHLEIN BROS.
MONTVILLE, NEW JERSEY

Leister's LIVE-PAY CHICKS
Hatched in Electric Incubators. "Specializing in Broiler Chicks." Write for latest catalog or order direct from this ad. Hatches weekly. Cash or C. O. D.

| (Leghorn Ckls. $4) LARGE | 100 | 500 | 1000 |
|---|---|---|---|
| TYPE ENGLISH S.C.W. LEGHORNS | $7.00 | $35.00 | $70 |
| Large Type Eng. S. C. White Leghorn Sexed Pullets (Guar. 95% Accurate) | 12.00 | 60.00 | 120 |
| Bar. & Wh. Rocks, R. I. Reds .... | 8.00 | 40.00 | 80 |
| New Hampshire Reds ..... | 8.50 | 42.50 | 85 |
| Heavy Mixed ..... | 7.00 | 35.00 | 70 |

All breeders Bloodtested for B.W.D. by stained antigen method. 100% live delivery guar. WE PAY ALL POSTAGE. HEAVY BREEDS SEXED ON REQUEST. Write For Prices.
C. P. Leister Hatchery, Box E, McAlisterville, Pa.

MAKE MONEY RAISING BROILERS PULLETS AND STARTED CHICKS
—Can be done with BROWER'S BATTERY BROODERS. Low Feed Prices. Good Chicks and proper care. Market Broilers in 8 to 10 weeks. Little money starts you. Small Down Payment. Write for BROWER'S Poultry Supply Catalog and Guide, 100 pages, 400 pictures, which explains the broiler business. Also describes BROWER'S Big Line of Battery Brooders and Poultry Equipment at low prices.
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SNELL LEADS at Penna.!
THROUGH MONTH OF NOVEMBER
HIGH HEN, 57 Eggs—59.70 pts.
2nd HIGH PEN, 568 Eggs—594.35 pts.
Our top White Leghorn hen is highest bird of all breeds at Penna. In 61 days thus far. Heavy production plus large egg size paved the way! Breeding counts! A few pedigree breeding cockerels available. Order chicks early. Write for folder & prices.
BRYAN J. SNELL, - Windsor, Pa.

*Brooding in Batteries?*

If you have been brooding chicks in batteries, or if you plan to do so for the first time during the coming season, you'll obtain some sound, practical hints from Brieflet BG-72, "Battery Brooding Facts." You can get it by sending 6 cents in stamps to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

**GROW YOUR CHICKS ON PREMIER CHICK STARTER**

*It is a complete balanced feed*

The thousands of poultry raisers who use PREMIER Chick Starter year after year offer proof of the satisfactory job it is doing in getting the future layers off to the right start. It is a complete feed, balanced according to the latest scientific facts on poultry nutrition.

**PREMIER Mashes in Pellets**

PREMIER Chick Starter, as well as other PREMIER mashes, are available in the pelleted form also.

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Visit our display at the Harrisburg Farm Show, Booths 767-768, and ask for a copy of the new Premier Poultry Book. It's practical.

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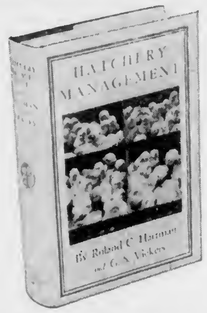
**YORK, PENNSYLVANIA**






## Hatchery Management

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Here is the only complete book covering the management of a baby chick hatchery. Based on the experiences of many of America's successful hatchery operators, it tells how to produce quality chicks, how to determine prices, how to find buyers for your chicks, and many other facts that help to make a hatchery business profitable.

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Everybodys Poultry Magazine
Hanover Pennsylvania


grades of fresh eggs, to issue permits to retailers, perform inspections and enforce regulations governing the quality of eggs advertised for sale. Farmers selling at retail only eggs produced on their own farms would be exempt. A similar, proposed law failed to pass two years ago.

## BOOKS

**New Edition of Standard**—The 1938 revised edition of the American Standard of Perfection will be off the press and ready for distribution on January 1, according to Paul P. Ives, editor of the 1938 revision. The price for the regular cloth bound Standard is $2.50, while the flexible cover edition sells for $3.50. Orders can be sent to the Book Department, Everybodys Poultry Magazine, Hanover, Pa.

**New Poultry Disease Book**—A new book, "Poultry Sanitation and Disease Control," has just been completed by Drs. R. C. Surface and B. F. Kaupp. The authors are well known to poultrymen throughout the country, having taught at the Dr. Salsbury Disease School, Charles City, Ia., and having lectured before poultry meetings in 44 of the 48 states.

B. F. Kaupp

R. C. Surface

The book has been written in simple language for the poultry raiser, hatcheryman, salesman and manufacturer alike. It includes the most recent developments that have been tested and found to be practical in scientific and commercial research. It contains 420 pages, 82 illustrations and 2 full colored plates. Copies of this book are available for $3.50 each, through the Book Department of Everybodys Poultry Magazine, Hanover, Pa.

## POULTRY CONGRESS

**World's Poultry Congress** stories have appeared in papers and magazines in England, Holland, Poland, Switzerland, Germany, Japan, and in many publications in Central and South America. The Associated Press has been active in securing news, and among requests they have had for pictures was one from London, England.

**Prof. T. B. Charles,** head of the poultry department of the University of New Hampshire, has been named head of the sales and distribution bureau of the World's Poultry Congress. He will have charge of sales of birds exhibited in the International Live Bird Exhibit. Many of the fowls will go to American colleges, institutions or individuals, while a few will be returned to their native lands.

**Washington State** was made a member of "The 100 Per Cent Club," joining New Hampshire, New Jersey and Oregon, when it sent in a check on December 1, filling its quota of Poultry Congress membership sales.

## THE TRADE

**The Lyon Rural Electric Company** of California announces a free advisory department offering information to anyone in the poultry field. The concern is now entering its 24th year as a manufacturer of electrical poultry equipment.

**Sees Good Year Ahead**—Wm. T. Pinaire of the Clover Valley Poultry Farm and Hatchery, Indiana, is looking forward to a very profitable year for poultrymen. He bases this upon the shortage of cold storage eggs this past fall, increasing consumer demand and the plentiful supplies of feed and favorable cost of feed.

Wm. T. Pinaire

Wm. T. Pinaire has been the guiding hand at Clover Valley since the death of his father, George Pinaire, a year ago last spring. At that time he stepped into the shoes of one of Indiana's pioneer hatcherymen—a man who had built the Clover Valley business up from a volume of a few thousand chicks per season to the point where the annual volume is reckoned in the millions. Today, this 30 year old business operates its modernly equipped hatchery 12 months of every year.

**The H. M. Sheer Company,** pioneer equipment manufacturers of Illinois, is celebrating its golden jubilee. A new catalog issued in connection with this event, lists every type of equipment required for scientific poultry raising.

**Louis D. Schaible's** livability record of 92.3 per cent in his New Jersey contest pens for a 5-year period stands highest of any breed in the Jersey tests, according to figures compiled by the Jersey contests. Mr. Schaible breeds Rhode Island Reds.

**Creighton Brothers,** White Leghorn breeders, are erecting five new laying houses on a 25-acre farm between Atwood and Etna Green, Indiana. Poultry has never before been kept on this land.

The new houses, which will be equipped with a hot water heating system, will be used for brooding 40,000 chicks during the 1939 season. This is in addition to 130 colony houses which will also be used in raising the 1939 chick crop. After the new laying houses have served their purpose for brooding, they will be cleaned and disinfected, and will be filled with 10,000 pullets after July, bringing the Creighton Brothers' capacity up to 40,000 laying birds.

**Davis Buys 300 Memberships** — The World's Poultry Congress spotlight this month reaches down into southern Indiana and picks out Robert S. Davis of the Davis Poultry Farm at Ramsey. The occasion is the announcement from W. P. C. headquarters to the effect that Mr. Davis has purchased 300 Congress Memberships. This total puts Mr. Davis out in front in the hatchery field and sets a mark for all Congress boosters to shoot at.

Robert S. Davis

When contacted, Mr. Davis said that he is boosting the Congress because he is convinced that it will give a definite impetus to interest in poultry and thus create greater opportunities in the hatchery field. He feels very strongly that every poultryman and especially all poultrymen who are supplying eggs to the hatchery industry, should be encouraged to attend the Congress.

Mr. Davis' interest in the Congress and his belief in the opportunities it will open up for the hatchery and poultry industry does not stop with this purchase of memberships. He is actively encouraging attendance and a part of the large turnout expected from southern Indiana will be due to his efforts. He was the first commercial hatcheryman to contract for exhibit space at the Congress—and during the spring months he is conducting a contest for which the prizes are five all-expense trips to Cleveland and the Congress

**R. Walter Bishop,** Connecticut Barred Rock breeder, reports that his Barred Rock Hen No. 7460 has completed a record of 349 eggs, averaging 24.5 ounces to the dozen, under R. O. P. supervision. This is said to be the highest official world's record for a Barred Rock laying standard size eggs. Hen No. 7460 was the daughter of a 303-egg hen.

**H. D. Pearson** of Pearson's Nes-to-U Farm, a New Hampshire breeding farm devoted to White Leghorns, has been announced as the winner of the 13th New Hampshire home egg laying test. His flock of over 3,000 birds averaged to lay 211.15 eggs per bird.

**Gasson's Poultry Farms,** Ohio, announce important additions to their breeding and hatching plant. For the 1938-39 season, Gasson's have built one new 20 by 100-foot hen house in which 550 birds will be trapnested under U. S. R. O. P. supervised, and two additional laying houses with a combined capacity of 1,000 hens. With these additions, the plant has a total of 16 modern laying houses with a total capacity of 8,000 Gasson Strain S.C. White Leghorn birds.

John P. Gasson

The Gasson farm comprises 164 acres, on which there are 80 modern buildings. A total of 90 acres is devoted to raising 10,000 U. S. R. O. P. pedigreed and wing banded chicks each year. This 90-acre tract, it should be noted, is divided into three sections so that chick raising can be rotated from one section to another. Each section of land receives two years of "rest" between the years in which it is used for raising chicks.

There are 46 colony houses on the farm. During the present 1938-39 trapnest year 1,650 birds are entered in U. S. Record of Performance trapnesting. Gasson's Poultry Farms is also a U. S. Certified Hatchery, the entire plant being under the supervision of the Ohio Poultry Improvement Association and the U. S. Department of Agriculture.

**The Ketchum Mfg. Co.,** 9 Kay St., Luzerne, N. Y., announces a new "Tamperproof" wing band which can be inserted and securely locked with a cheap plier. It cannot be opened without destroying the band and making it useless for further use.

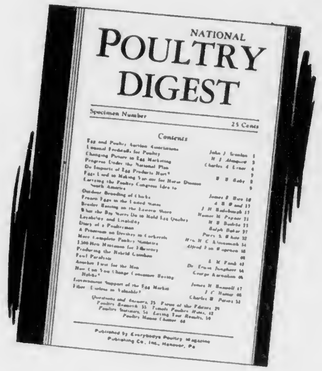
**Goodyear Features Hen of the Year**—J. J. Warren's record-breaking Rhode Island Red, named Hen of the Year at the Neppco Poultry Exposition, was officially christened "Miss North Brookfield" by Don Goddard, Goodyear Farm Reporter, on the Goodyear Tire and Rubber Company's Farm Radio News program over the NBC Network, November 15. The winning name, chosen from nearly 2,000 suggestions, was submitted by both Mrs. O. L. Maxwell, R. F. D. 1, North Wilbraham, Mass., and Mr. Joseph Boorster, New York.

**Hall Brothers Hatchery, Inc.,** in its current advertising, is offering service leaflets on battery brooding, hints on the starting and care of chicks, control of coccidiosis and other subjects. Readers can obtain these leaflets on request.


# ANNOUNCING...

## NATIONAL POULTRY DIGEST

*Current Poultry Articles Condensed for Easy Reading*




In November, the editors of Everybodys Poultry Magazine put together a specimen issue of the National Poultry Digest to determine whether there would be sufficient people willing to pay $2.00 a year for a new kind of poultry publication for the advanced poultryman. As a result of a very enthusiastic response and hundreds of advance orders, the National Poultry Digest will begin regular publication this month. Here are some of the things it will contain:

**Issued Monthly. First Issue, Jan. 1939**
**64 Pages of Selected Poultry Articles.**
**Pocket Size—5½ by 7⅝ inches.**
**Edited by Roland C. Hartman**

**Articles** from the leading poultry journals in the United States and in other English speaking journals, carefully selected and condensed for the busy reader who wants to keep up with the progress of the poultry industry.

**Talks** presented from manuscript at various poultry gatherings. Many such talks are worth publishing.

**Views of the Editors** — Editorial comments by the editors of poultry magazines on topics of current interest.

**Poultry Research**—Summaries of poultry experimental work as gleaned from scientific and trade publications, experiment station reports, and reviews in the popular poultry magazines.

**Poultry Statistics** — Tables and comments on statistics that pertain to the current poultry situation. This feature will keep you informed on conditions and the outlook.

**Annual Index**—The twelfth issue in each volume will contain a complete index, with cross references, of every poultry subject discussed in the volume. It will make the Digest of lasting value.

### Highly Endorsed

The poultry digest idea has received the hearty approval of leaders in the poultry industry. Among those who have placed their subscription orders are James E. Rice, Oliver H. Hubbard, H. C. Knandel, C. E. Lee, M. A. Jull, Dr. A. H. Goldhaft, Earl Benjamin, and many others.

### $2.00 a Year — 25c a Copy

Become a charter subscriber of the National Poultry Digest by sending $2.00 for a one year subscription. The first issue will go into the mail about January 10, 1939. Order early to be sure of getting the January issue.

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**NATIONAL POULTRY DIGEST, Dept. 10, Hanover, Pa.**

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☐ I enclose 25 cents for a single copy of the January, 1939, issue.

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Good Stories, 1 yr.
Farm Journal, 1 yr.
All for $1.00

**CLUB NO. 401**
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Good Stories, 1 yr.
Mother's Home Life, 1 yr.
Farm Journal, 1 yr.
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**CLUB NO. 403**
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Good Stories, 1 yr.
Home Friend, 1 yr.
Mother's Home Life, 1 yr.
The Country Home, 1 yr.
All for $1.00

**CLUB NO. 404**
Everybodys Poultry Magazine, 2 yrs.
Woman's World, 1 yr.
Household Magazine, 1 yr.
Pathfinder, 6 months
All for $1.00

**CLUB NO. 405**
Everybodys Poultry Magazine, 2 yrs.
McCall's Magazine, 1 yr.
Woman's World, 1 yr.
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EVERYBODYS POULTRY MAGAZINE, 2 yrs. and your choice of any 4 magazines listed for only ..... $1.00

☐ Breeder's Gazette, 1 yr.
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☐ Good Stories, 1 yr.
☐ Home Circle, 1 yr.
☐ The Home Friend, 1 yr.
☐ Mother's Home Life, 1 yr.
☐ *Household Magazine, 1 yr.
☐ Woman's World, 1 yr.
☐ *Home Arts Needlecraft, 1 yr. may be substituted for Household Magazine.

Check the magazine you want and mail with your remittance to Everybodys Poultry Magazine, Hanover, Pa.

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Gentlemen, I enclose $..... Please start

Club No. ..... coming to the address below at once. Mine is a ☐ new ☐ renewal ☐ to be extended subscription. (NOTE. We will extend the subscription of any present subscriber who wants to take advantage of these exceptional offers).

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# Science Marches On!

By Carl H. Schroeder

**Does culling affect the validity of the progeny test?** This is an important question which is generally answered in the affirmative. For instance, Munro et al. stipulate that progeny flocks serving as test material must be maintained through the laying year without any culling whatever. Of course, it is costly practice to carry obviously worthless or sick birds through a full laying year.

Bird and Sinclair of the Central Experimental Farm at Ottawa, Ontario, addressed themselves to the task of checking into this question. They reached the conclusion that the lowest producers should be culled from all sire's progeny flocks, but such culling should be to one uniform percentage which probably should not exceed 25 per cent. They state that in practice this would operate in such a manner that culling would be permissible throughout the year. Culling should be confined to the lowest producers. Culling for egg size is not permissible.

• • •

**Experiments with cocoa shell meal in the laying ration** were conducted by A. Haensel at the Kiel-Steenbeck Experiment Station in Germany. The birds manifested a definite dislike for this material and, in spite of every effort to bolster up feed consumption, laid markedly fewer and smaller eggs than the check lot. Hatchability, too, was affected unfavorably.

• • •

**The weight of the egg influences the weight of the chick,** but the extent to which chick weight depends upon egg weight is subject to seasonal variation. The influence of egg weight upon chick weight increases gradually from January to April, decreases from May to June. These cycles are attributed to changes in the metabolic activity and efficiency of the embryo and to variations in thyroid activity of the parent stock. These observations were recorded by N. Salpin in the Proceedings of the Royal Society of Edinburgh (Scotland).

• • •

**A Grain-less Ration for layers** was subjected to tests at the Bavarian Poultry Institute by Weinmiller and Mantel. The chief constituents of the ration were fishmeal, beet pulp, potato flakes, bran and alfalfa meal. Fluid milk was before the birds at all times.

The test group on the grain-less ration made such a poor showing as regards production, appearance and physical condition, that after 13 weeks it was decided to feed 10 grams of corn per bird per day.

The group receiving 50 grams of corn daily per bird produced 151 eggs during the test period of 300 days; those on a 20 grams of corn per day laid 140 eggs, while the test lot which was changed to 10 grams of corn, as stated above, managed to make up for some of the "lost time" and finally had a production of 124 eggs to their credit.

The investigators conclude that profitable production can not be obtained on a grain-less ration and, by inference, that 30% of bran in the mash does not compensate for the absence of corn. The scarcity of grains for feeding purposes, prevailing in Germany, prompted this investigation.

• • •

**Vitamin B2 or G complex** consists of four distinctly different and sharply characterized entities: riboflavin, nicotinic acid, vitamin B6 and the filtrate factor. Evidence to that effect is presented in the Journal of Nutrition by Dann and Surbarow of Duke University and Harvard Medical School.

• • •

**The cannibalism preventing properties** of oat hulls were investigated by Miller and Bearse of the Western Washington Experiment Station. They conclude that oat hulls contain a factor, other than minerals, which prevents cannibalism and that excessive corn feeding is conducive to cannibalism.

Although the evidence presented in Poultry Science (Vol. 17, No. 6) permits such an interpretation, no consideration is given to the fact that a single case of cannibalism due to chance or accident may usher in an epidemic-like outbreak of this vice and, consequently, distort the "evidence." As an illustration, in one of two pens on the high oats 80 per cent diet, 42 per cent of all birds were picked, in the other but 2.1 per cent. The results do not rule out the possibility or perhaps more correctly the probability that one of the causes of this social vice is to be found in the field of animal psychology.

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# EVERYBODYS POULTRY MAGAZINE


10 CENTS

FEBRUARY 1939


TEACHING CHICKS TO FIND THE HEAT

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*Published at Hanover, Pa.*

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## This Month With Your Flock

### Improve Your Brooder House

Is your brooder house ready for the chicks? How about the roof? Is it tight and waterproof? Are there any cracks in the walls? Good insulation board will help. The cost of it will be more than offset by a saving in fuel and healthier birds.

And how about the equipment? Make sure the stove is in good working order and you have all the necessary parts. Check up on fountains and hoppers too, to be sure you have enough good ones of all sizes to handle your needs. Don't get caught short!

### Keep Temperature of Eggs Low

Premium egg prices can be obtained only with premium quality eggs. Keep the quality of your eggs high by holding them at between 35 and 45 degrees. Don't expose to temperatures above or below this range. Better keep an accurate thermometer on hand to check the temperature often. It is well worth the small initial cost.

### Have Tools Handy

You can save a lot of steps and time during the year by having your tools handy. Keep them where you use them most often. Painting handles a bright color often helps in locating certain tools in a hurry. By having a special place for each tool and returning it to that place when you are done with it, you can make a valuable saving in a year's time.

### Make Notes of Jobs to Do

A good way to keep track of little, odd jobs that need attention is to carry a pocket notebook and pencil and jot down the items as you come across them. Or you can make a weekly checkup in this way. One poultry farmer found that this system works fine.

### Keep the Air Fresh

Your birds won't grow as fast as they might or lay as many eggs as they could lay if they have to breathe stale, foul air. Make sure your birds are getting plenty of fresh air at all times. Don't close all air intakes, even on the coldest winter day. Proper ventilation without drafts is necessary. Keep the pens so you like to stay in them yourself.

### Keep Drinking Utensils Clean

Daily washing of all water fountains should be on the schedule for every poultry farm. The first thing in the

[Please turn to page 32]

# Through the Editor's Specs

### Vitamin E and Fowl Paralysis

During the past year, considerable information on vitamin E in connection with the control of fowl paralysis has appeared in print. Evidence gathered by two investigators out in Montana seemed to indicate that vitamin E, as supplied by wheat germ oil, the richest source of that vitamin, would put birds suffering from fowl paralysis back on their feet again.

If true, it meant that an effective weapon had been found to combat one of the worst diseases ever to afflict poultry flocks. The idea that an increase of a vitamin in the ration would not only prevent fowl paralysis, but also cure this nerve disease, seemed revolutionary.

On two occasions during the past year, our "Science Marches On" department has carried items disputing the value of vitamin E in the control of fowl paralysis. Similar evidence is continuing to accumulate, so with the idea of shedding more light on a subject that has been the center of warm controversy, Dr. L. C. Norris, one of the foremost poultry nutrition authorities in this country, was asked to prepare the article which appears in this issue under the title, "Here Are the Facts on Vitamin E."

### Federal Egg Buying Again?

It is hoped that the conference of producers, market men and government representatives in Cleveland, Ohio, on February 1 will not favor any federal egg buying program for the purpose of bolstering egg prices.

An unusually heavy lay resulting from mild weather and an increase in size of laying flocks over a year ago has caused egg prices to sag since the first of this year. High retail prices, it is believed, resulted in a drop in egg consumption.

All present signs point to the largest chick output since 1936. If chick buying is stimulated still further this season by government purchases of eggs to strengthen prices, there will be still more eggs to sell next fall and winter, and the need for help will seem even more acute a year from now.

Any discussions regarding the purchase of eggs by the government in the spring of the year should, in addition to considering the immediate effects, include an examination of the possible effects of such a program on the poultry industry 10 to 12 months from now.

### Support Your Poultry Congress

In talking to a group of poultry raisers recently, W. D. Termohlen of the U.S. Department of Agriculture, described seven major features of the forthcoming World's Poultry Congress—features that should cause everyone engaged in the poultry industry in any way, to give his full support to this event. He listed them as follows:

1. **Scientific program.** Papers from over 180 poultry scientists, reporting on the latest progress in poultry research, will be presented.
2. **Popular program.** Outstanding poultry raisers, many whom you read about, will describe their methods. It will be an opportunity to get first-hand information from successful poultry raisers.
3. **Youth program.** One building has been set aside for the youth activities. There will be poultry demonstrations, judging contests and exhibits. It is the first time that a Poultry Congress has given so much emphasis to youth activities.
4. **Consumer program.** It will build the appreciation of the consumer as to the value of eggs. There will be demonstrations, talks, a transparent kitchen, a question box for the users of eggs and many other features to attract the women. Much of the value of the consumer program will come out of the publicity that will appear in newspapers and women's magazines.
5. **Hall of Industry.** There are five acres of space in this building. One exhibit will

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FEBRUARY 1939 **Everybodys Poultry Magazine** Vol. 44, No. 2

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.; Roland C. Hartman, Editor; Thomas E. Moncrief, Asst. Editor.

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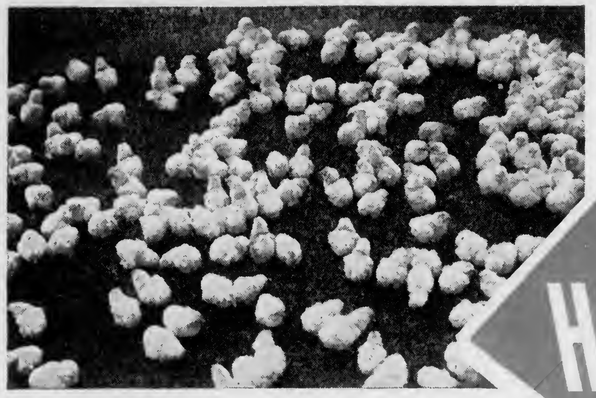

# GIVE YOUR CHICKS A HEAD START

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Get all the facts about this superior starting ration now so that you can give your chicks all these advantages. Ask your Beacon dealer for full details, our latest bulletins and folders. If you don't know his name, just drop us a card.

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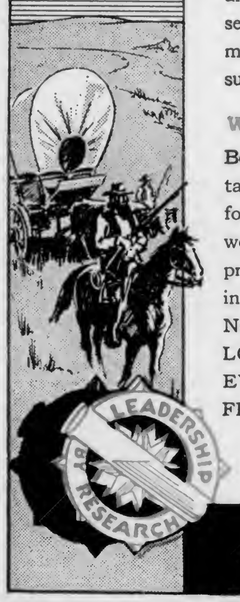


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# Here Are the Facts on Vitamin E

An up-to-date review by one of America's leading poultry nutritionists on a vitamin which has been the center of considerable discussion during the past year.—Editor

*Essential for Hatching*

. . . but the usual feedstuffs in poultry rations contain enough of vitamin E that it is unnecessary to feed any supplement in addition.

By L. C. Norris
Cornell University

A GREAT deal of attention is being directed to the vitamin E requirement of poultry. Much emphasis is being laid upon the possibility that good poultry rations may not contain enough of this vitamin. It is felt that as a result of a partial deficiency of vitamin E, normal hatchability frequently is not obtained and that the vitality of chicks is affected in such a way as to predispose them to fowl paralysis and allied conditions.

Vitamin E is not one of the newer vitamins. Its discovery was first announced by Evans and his associates of the University of California in 1922. Only two animals have been definitely shown to need this vitamin. These are the rat and the chicken. In these animals vitamin E is needed to prevent the death of the growing embryo and the development of sterility in the male.

### Vitamin E Required for Hatchability and Fertility

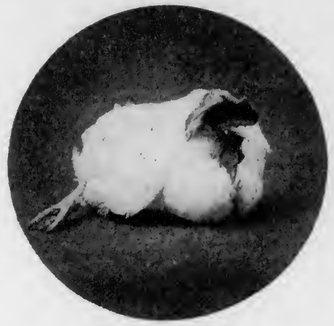
The experimental work showing that this vitamin is essential for the maintenance of hatchability and fertility in poultry was reported by Card and his associates of the University of Illinois in 1930. These investigators fed an all-mash ration to a group of Rhode Island Red hens in which the vitamin E had been destroyed by treatment with an ether solution of ferric chloride. After being fed this ration for about six months none of the eggs of these hens hatched upon mating them with males of proven fertility. Then each of the hens was fed daily one-half c.c. of wheat germ oil, a rich source of vitamin E. An almost immediate response was obtained and within a few weeks the hatchability of the fertile eggs increased to 69.4 per cent.

Finally, the feeding of the wheat germ oil was discontinued, and within a short time afterwards, the hatchability of the fertile eggs dropped to 3.4 per cent. These results are generally accepted as establishing the fact that vitamin E is necessary for hatchability in poultry.

### Apparently, No Shortage of "E"

No reliable experimental evidence has yet been reported, demonstrating that an improvement in hatchability can be obtained by supplementing good poultry rations with extra vitamin E. Card was the first to attempt this, but the hatchability of the eggs of the group of hens fed wheat germ oil was slightly poorer than the control group.

On the other hand, Ender of the State Vitamin Institute of Norway reported a marked improvement in hatchability as a result of feeding wheat germ oil in connection with a good ration. Ender's experimental work, unfortunately, was not conducted with suitable control measures. As a consequence of this, the improved results can as well be explained by an improvement in egg production or some other cause as by the feeding of wheat germ oil.



*Not a Paralysis Cure*

Latest experiments conducted under controlled conditions show vitamin E of no value as a preventive or a cure for dreaded fowl paralysis.

In 1938, Davidson and Schaible of Michigan State College confirmed the earlier work of Card. They fed one group of hens a normal ration and a second group the same ration supplemented with 5 per cent of wheat germ meal. The average hatchability of the fertile eggs of the normal group was slightly but not significantly better than that of the group fed the wheat germ meal.

### Results at Cornell

Further information on this problem is provided by some hatching results obtained at the Cornell Poultry Department during the hatching seasons of 1937 and 1938. In each of these years, flocks of hens of comparable quality were maintained to meet the outside demand for chicks. The 1937 flock was fed a good breeder ration containing 2 per cent of wheat germ. The 1938 flock was fed a similar ration except that it contained no wheat germ. The hatchability of 3,500 fertile eggs from the 1937 flock fed wheat germ was 76.3 per cent and that of 4,495 fertile eggs from the 1938 flock fed no wheat germ was 83.4 per cent.

In the case of another group of hens of special breeding, the 1937 flock fed wheat germ had a hatchability of fertile eggs of 84.1 per cent and the 1938 flock fed no wheat germ a hatchability of fertile eggs of 78.1 per cent. The differences obtained in this work represent normal variability. No evidence was obtained that additional vitamin E favorably influences hatchability.

The requirement of roosters for vitamin E does not appear to be very great. Adamstone of the University of Illinois made a study of the effects of vitamin E deficiency on the tests of four Rhode Island Red males, using a ration in which vitamin E had been destroyed by treatment with an ether

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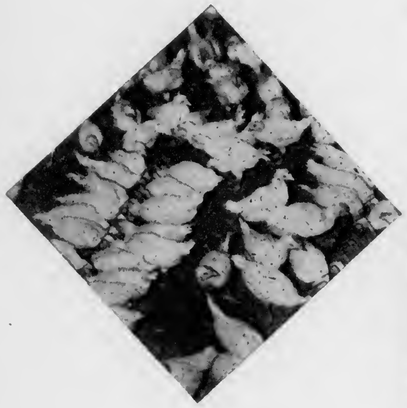
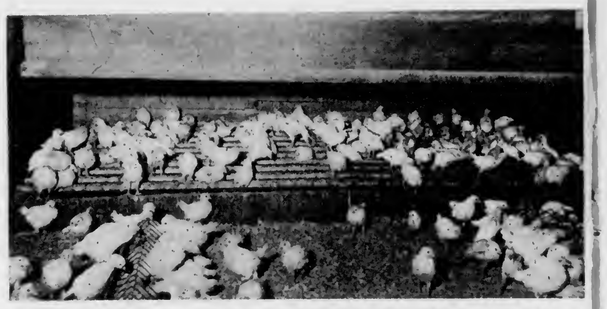
# McCoy Broods His Chicks

## *With a Loss Under One Per Cent*

*Favors the Long House Brooding Plan for Its Economy and Saving on Labor*

By Alan Edgecomb





Low roosts with wire on the underside replace the original wire platforms when the chicks are old enough to make use of roosts.

ALONG about 1920 when J. C. McCoy, Jr., was getting into the chicken business, eggs were bringing as high as $1.05 a dozen wholesale in New York. When eggs toppled from this lofty perch and fell to 80 cents a dozen, he thought that he would have to go out of the chicken business and get back into dairying and general crop farming practiced for many years before by his father.

But the chicken business didn't go to "smash." It seems like it does when egg prices get low or when feed costs rise, but those conditions correct themselves. There have been bad years as well as good years for poultry raisers since the early twenties. In that interval of time, McCoy's poultry plant in Venango County, Pennsylvania, has grown to a capacity of 4,500 layers, all White Leghorns.

Immediately adjoining his 130-acre farm is that of his brother, Ralph, who has some 80 acres and carries in the neighborhood of 4,500 layers, while directly beyond is the home farm, operated by brothers Frank and Craig, who have a flock of 8,000 birds under their care. Anyone driving over the roads which wind through this hilly section of western Pennsylvania can't help but notice the McCoy farms. Poultry houses that tower from two to four stories in height, painted with aluminum paint which gleams in the sunlight, are not likely to be missed by the traveler.

### Active in Butler Auction

Over a period of years, the McCoys developed a desirable market for their eggs, selling them through retailers in Pittsburgh and other cities. This worked well until the depression of the early thirties came along, and they had trouble collecting from the retailers for eggs that had been delivered. It led to the study of the possibility of starting an egg auction in that part of the state, with the result that the Butler Egg Auction was established by poultrymen in that section, and it has since proved to be one of the most successful auctions. Frank is a member of the board of directors.

### Chick Loss Very Low

Naturally, in developing poultry plants to such a size, good management had to be employed. You can get a good idea what that means when I tell you that J. C. McCoy, Jr., last season had a brooding mortality of less than one-half of 1 per cent for the initial period of three weeks. When only one chick out of 200 dies, that is keeping the loss exceptionally low.

While brooding methods vary. McCoy has been using the long house system of brooding for quite some time, and he likes it. He finds brooding in a long house more economical, because the same pens that are used for starting chicks can be used for housing the layers in the fall. There are no idle poultry houses. From the labor standpoint, a lot of steps are saved in caring for the chicks, and there is only one fire to tend.

McCoy's brooder house is 120 feet long and 15 feet deep, divided into pens 10 feet wide. The heating unit is under the droppings board along the back wall of the house. A brooding compartment is formed by hanging a curtain, made of treated sisal building paper, from the outer edge of the droppings board. This can be seen in one of the accompanying photographs.

The amount of heat in each brooding compartment is regulated by raising or lowering the curtain to the height necessary to retain the heat or to permit it to escape. When the chicks are very small and there is a greater need for heat, the opening between the floor and the bottom of the curtain is much less than later when the chicks are well feathered and do not need so much heat.

Additional control of the temperature is obtained by shutting off the circulation of hot water in the pipes through certain groups of pens. For instance, if the chicks in the first four pens are well feathered and are no longer in need of heat, a valve can be turned to stop the flow of hot water going through the pipes in those four pens. Similarly, the heat for the four middle pens in the house can be shut off.

### Wire Platforms Used

Low, wire-covered platforms are placed on the floor area comprising the brooding compartment in each

[Please turn to page 26]




# Pratts *Invite* YOU to Join this FREE Crusade Against *All* Poultry Diseases!

TODAY, . . . before their first laying year is completed, . . . one out of every five birds lies cold in death. Disease, . . . like a cancer, . . . is eating away poultry profits. It lurks on your farm eager to kill your best birds.

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Stopping disease is largely a matter of doing the right thing, . . . *AT THE RIGHT TIME!!*

Bloody Coccidiosis is most dangerous from the 3rd to the 9th week. Paralysis usually strikes from the 3rd to 8th month. And so it goes. Most diseases are dangerous only at certain ages.

Pratts Health Program is timed to meet your needs. It consists of a series of bulletins and letters, . . . called "Steps in Pratts Health Program." Each discusses management, feeding and care needed to avoid diseases dangerous at specific periods. And each step, . . . for six (6) solid months, . . . reaches you just when your flock is in that period.

Pratts Health Program is a complete poultry management plan. It has 70 years of research and large scale poultry raising experience behind it. The latest scientific information, . . . new methods, . . . new discoveries, . . . all will be given you in detail. Whether you have 50 or 50,000 birds, Pratts Health Program can guide you to healthier birds and bigger profits.

***Fill out and mail the Registration Blank — today!***

**Tear off and MAIL REGISTRATION BLANK TODAY**

PRATT FOOD CO. Dept. 174 Philadelphia, Pa.

I wish to register my flock in Pratts FREE Health Program. I understand that there will be no charge for this service and that I am not required to buy anything to get it.

**This year I will raise**.....(Give number).....**Chicks**

**I will start them**.....(Give date).....

**My nearest Pratt Dealer is:**.....(Give Name).....

**NAME**.....(Print clearly).....

**ADDRESS**.....**STATE**.....

**TOWN**.....

Top: The Bucks County Producers Cooperative at Doylestown, Pa.

Lower Photo: A sale in progress at one of the eastern auctions.

# Egg Auctions Prove Their Value

*Members and Non-Members Alike Have Benefitted from This Marketing Plan*

By Lester Hartwig

NO longer is the chant of the egg and poultry auctioneer strange in many communities in the northeastern states. After eight years, poultry and egg auctions have become a permanent reality and the sing-song of the auctioneer's voice a common sound to producers and buyers alike.

Back in 1930 when the first cooperative egg and poultry auction associations were organized in New Jersey, many were skeptical concerning their chances of success. Since the two pioneer organizations were formed at Toms River and Flemington, N. J., this type of association has come to occupy a place of tremendous importance in the marketing of northeastern poultry and eggs.

That they have been a success from the start is indicated clearly by their almost stupendous growth. Consider that in 1930, two associations having 350 members handled 13,510 cases of eggs. During 1937, 22 associations sold 991,414 cases of eggs and 172,314 crates of poultry for 13,068 members.

In Pennsylvania, egg auctions and other cooperative organizations now provide an outlet for producers in half the 67 counties in the state. The organizations are of particular benefit to poultrymen in the 35 surplus producing counties whose eggs must be disposed of in underproduction areas.

Bucks county, Pennsylvania, is a typical example of a community served by an egg and poultry auction. Doylestown, the county seat, is located about 30 miles from Philadelphia and less than 100 miles from New York City. It is a centrally located trading center for the county. Before the Bucks County Producers Cooperative Association began selling eggs by the auction method on July 13, 1931, most of the county's producers either sold their eggs to door-to-door hucksters or shipped direct to buyers in nearby cities.

### Hucksters Welcome Auctions

"Previously, it was necessary for the hucksters to gather their supplies in one or two days and spend the remainder of the week retailing to city or suburban customers. They welcomed the formation of an organization from which they can obtain easily the quantity and quality of product required for their trade," Carl Dossin, state poultry extension specialist, explained in discussing the formation of the auctions. "The auctions provide a market where the producer receives payment based on the quality of product produced."

### Sales Are Semi-Weekly

Visiting an egg and poultry auction is a novel and educational experience. At Doylestown, the egg auctions are held on Monday and Thursday afternoons. The producer grades his eggs according to size and color and delivers them to the auction building. Where several producers live in the same community, usually one of the members delivers all the eggs for a small charge. On delivery, the producer is given a receipt.

An inspector licensed by the Pennsylvania Bureau of Markets checks at least 100 eggs in each case and establishes a classification or grade. The rapidity and deftness with which he handles the eggs in making his inspection is amazing. There is no lost motion and the job of inspecting a case is a matter of moments.

### Wire and Telephone Bids

Very seldom are many producers present at the time of sale. A licensed auctioneer is in charge, and the eggs are sold to the highest bidder. Each producer's eggs are sold separately. The auction protects itself by using a stop-loss bid which is usually several cents under the prevailing market price for a specific grade. In addition to buyers present in person, the auction delegates an individual to purchase for wire and telephone bids of which there are often many. Eggs bought on wire or telephone bids are called for or shipped to their respective purchasers.

"All eggs are paid for with cash or certified check before they are removed from the auction building. On the day following each sale, checks are mailed to the producers," states William Gwinner, manager of the Doylestown Auction.

"When eggs are delivered properly graded as to size, an inspection and sales charge of only 35 cents a case is made. However, there is an additional fee of 50 cents if the inspector must regrade the case, making a total of 85 cents. This handling charge enables the organization to build up a small cash surplus."

[Please turn to page 24]

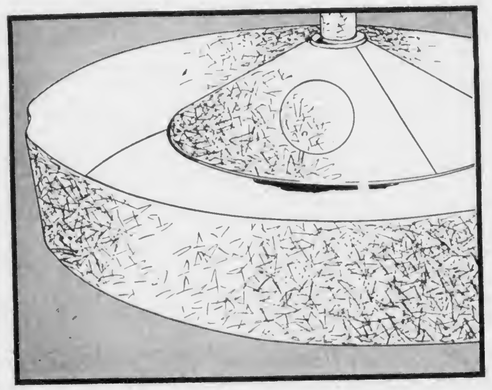


# Teaching Chicks to Find the Heat

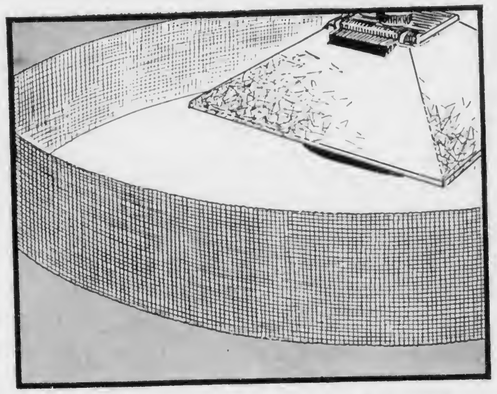
By Roland C. Hartman

Chilling, like overheating, can cause a lot of harm to baby chicks during the first few weeks. Either condition can upset the digestive system and result in a lot of runty chicks that don't seem to grow. Brooder pneumonia, too, may occur, resulting in a heavy loss of chicks.

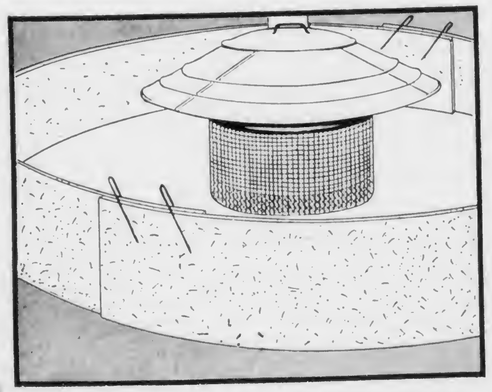
Four types of chick guards for teaching chicks to find the heat when they are placed in the brooder house, are shown below. The usual practice is to place the chick guard to form a circle about 1½ feet away from the edge of the hover, increasing the distance during the day time. By six or seven days, the circle should be wide enough to cover most of the brooder house floor, just so the chicks cannot pile up in the corners.



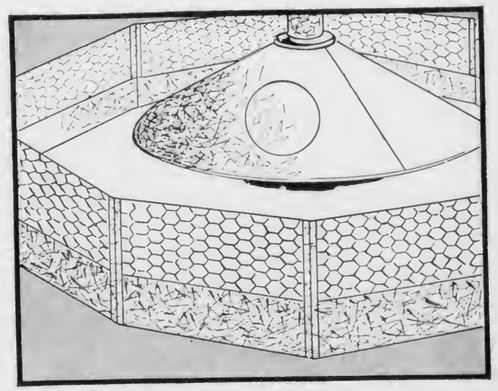
**Sheet Metal** Lengths of sheet metal, 12 to 15 inches wide, make an excellent chick guard. This type of guard, which is widely used, is handled by some equipment firms.



**Wire Cloth** The hardware cloth guard is very popular. The general practice is to split open empty feed bags and to fasten them to the guard to break floor drafts.



**Pliable Board** Strips of thin insulation board or "beaver" board make a good chick guard that will stop drafts. Most poultry farms have such material available.



**Folding Type** Sheet metal and poultry netting are combined in this chick guard which sells from $3.25 to $4.80, depending upon the number of sections desired.

# Some Observations *on Pedigree Breeding*

EDITOR'S NOTE: *Eli Bodine, Chemung County, N. Y., was a breeder of purebred Holstein cattle before he switched to the breeding of White Leghorns in 1922. He finds poultry breeding farm more interesting. His plant has a capacity of 7,000 layers, all of which are pedigreed from his R. O. P. matings. Some 3,000 birds are under traps, which is a rather high percentage of birds to be trapped. In this article, Mr. Bodine presents just a few of his ideas and conclusions gained from his experience as a breeder of R. O. P. stock.*

By Eli Bodine

"... a breeding program must be a balanced program. Any breeder who stresses just one or two factors is bound to fall short of his aims."

OUR poultry pedigrees are about 30 years behind those used by the breeders of dairy cattle. That may sound like a rather strong statement, but I was a breeder of Holstein cattle before I took up the breeding of White Leghorns back in 1922. Thirty-two years ago, my herd participated in the first official milk and btter record work conducted here in Chemung County, New York.

When we recorded a Holstein pedigree, we would give the number of daughters of the sire, the amount of butter and milk produced by each daughter, also the number of daughters produced by the dam, their records and their number of daughters. We could tell quickly how a family was performing.

So far, I have never seen a poultry pedigree going into so much detail on corresponding information. If such pedigrees are being used at all, I doubt whether very many people could understand them. Those of us in poultry breeding have been lax in educating folks to the value of a poultry pedigree.

CATTLE breed organizations over a long period of years have done a good job of educating dairymen as to the value of pedigree breeding. They have not only been doing an educational job, but they have provided a place where this pedigree information can be recorded and made available on official pedigree forms to the buyers of such stock.

Since we do not have breed organizations in the poultry industry functioning in this manner, it seems to me that the official state agency conducting R. O. P. work in each state should be responsible for keeping such information on file and furnishing it at a nominal cost—say 25 cents—to the buyers of pedigreed stock who wish to obtain these facts. The buyer would be able to get official information, for example, on the breeding back of a male bird purchased from an R. O. P. breeder.

LAST YEAR, my family sat down to a chicken dinner at which my wife served a hen that had laid 308 eggs in one year. It was an official record, my best one for the year at that, made in one of the New York laying tests.

It may sound like rich eating. Hens with records of 300 eggs or more in one year don't cause as much excitement as they once did, but still they are not exactly plentiful. It was necessary, however, to discard this heavy producer because of poor egg quality.

I mention this merely to bring out the point that there is no room for hobbies in breeding chickens. It is not altogether easy to discard a bird with a record like that, yet if she had gone into one of my matings, she could have easily torn down generations of breeding in which egg size, egg quality, livability and other factors had been combined with egg production.

Trapnesting is like that. It can ruin a flock quickly if all the emphasis is placed on number of eggs. Some of the breeders who were producing such outstanding layers 15 to 18 years ago, learned to their sorrow that it took a lot of time to correct small egg size.

It all boils down to the fact that a breeding program must be a balanced program. Any breeder who stresses just one or two factors is bound to fall short of his aims. A balanced breeding program should take into consideration—in addition to number of eggs and egg size — shell texture, shell color, livability of the chicks, livability of the layers, fertility, hatchability, and body size.

Any family of birds that would meet all our standards on these points would most certainly qualify for the "ideal family." Even though the ideal family probably won't be found, the breeder who is keeping pedigree records with complete information on the progeny has the advantage of keeping every bird under observation on each one of these factors.

I BELIEVE we have a very definite need for both egg laying tests and record of performance in the poultry breeding picture.

The laying test offers the ideal way for a breeder in making a comparison of his results with that of other breeders. In fact, that is the only way a fellow can say that his flock is as good or better than that of someone else. Anyone who makes a lot of claims that his stock produces ought to prove these claims by entering birds in laying tests.

R. O. P. work, likewise, serves a very definite need. It is not that it provides an official check on the honesty of the trapping, but rather the check on the record sheets after they have been summarized. It is like having an accountant come in and go over the books of a business. To me, this checkup on the accuracy of the records is where the value of R. O. P. begins.

I feel that R. O. P. makes us keep our records after the egg record is completed. For instance, we have to make our report on the male that is used in each mating, also the individual hen's number with egg records, number of eggs that are set, number of eggs that are infertile, number of chicks that are banded. This information has to be reported to our Official State Agency. I believe that this information is valuable in carrying on a balanced breeding program.

To make this work as simple and complete as we can, we have developed the keeping of these records with the Kardex system. Each breeding hen has her individual card with as complete record of her progeny as we have been able to get together.

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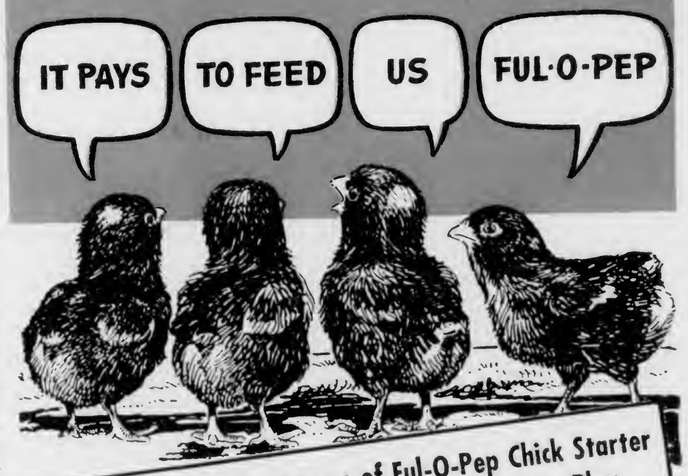
SAVE UP TO ⅓ TO ½

on the cost of raising new pullets and pocket the difference as profit!

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I KNOW YOUR TROUBLE —YOU'RE LAZY INSIDE

IT TELLS to beat the band in winter if hens are out of condition—LAZY INSIDE. They *eat* but they don't *lay* the way they ought to.

Try the 5-way urge of Dr. Hess Poultry Pan-a-min on those hens! It makes a lot of difference, and don't you forget it, if there's something in their ration that (1) increases appetite, (2) aids digestion, (3) promotes better assimilation, (4) assists elimination, and (5) provides essential minerals.

Keep hens in laying trim *all the time* with Pan-a-min. In our Research Farm experiments, Pan-a-min hens lay an average of 19 more eggs per bird per year. In even a small, 100-bird flock, this would be 1900 *more eggs*. Get Pan-a-min from your Dr. Hess dealer.

FEED THE ROUND WORMS OUT OF YOUR BIRDS WITH DR. HESS POULTRY WORM POWDER. A FLOCK TREATMENT THAT YOU JUST GIVE TO YOUR BIRDS ALONG WITH A LITTLE FEED. WORMS GO OUT IN THE DROPPINGS.

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### Preventing Damp Floors

Q.—I have trouble with wet floors in brooder houses. Can you tell me how to prevent them? Can it be done by ventilation?—F. F. F., Va.

A.—Our brieflet "Moisture Proof Floors for Poultry Houses" will give you some help in preventing damp floors.

Proper ventilation of brooder houses will help considerably in preventing damp floors, but there are a number of other things which are also essential. Crowding a great number of chicks in your brooder house, for instance, is one reason why floors get damp so quickly. It is almost impossible to keep your brooder house dry if you have too many chicks in it. Allow at least 1 square foot of floor space for every two chicks by the time they are four weeks old, and 1 square foot per chick after eight weeks.

Another way to keep floors dry is to have a deep litter, stirring it daily. Fresh litter can be added as the old litter becomes dirty. Placing water fountains on screened stands so that drippings from the birds' beaks will not fall on to the litter also will help in keeping the litter and floor dry around the fountains.

### Confined Versus Yarded Hens

Q. — Can I expect hens kept over in confinement to produce as strong, healthy chicks as those that are yarded?—R. P., Me.

A.—There has been a great deal of controversy on this subject during recent years, but I believe that you will be able to obtain just as good results from hens which are kept in total confinement as from hens which are yarded during part of the winter. As you undoubtedly know, there are a great number of good poultrymen in the northeastern states who keep their breeding hens in total confinement and they are able to obtain very satisfactory results in the way of strong, healthy chicks. If the housing, feeding and management practices are satisfactory and everything possible is done to make the breeders comfortable, the birds should be just as good producers of strong, vigorous chicks as those breeders which are let out in the yard.

### Determining the Size of Range

Q.—How is the size of range determined?—J. B. M., Pa.

A.—The size of range is determined by the number of birds which you want to grow. It is usually a good idea not to place more than 300 growing birds on 1 acre of land. The birds can be ranged in small shelters having from 60 to 100 birds each, located so that the birds are not crowded together over a small portion of the acreage. These shelters can be moved regularly and frequently, so that the range is not too badly worn down so that the birds have to wander far from the shelters.

### Preventing Fall Molt

Q.—How are pullets hatched in February kept from molting in the following October?—H. C. W., Md.

A. — The prevention of molt in early hatched pullets seems to be largely a matter of keeping the birds in good flesh and also avoiding sudden changes in their management. The most common cause of the fall molt in pullets which have been hatched early is the loss in weight after the birds have been in heavy production for several months.

Changeable weather, some interruption in the regularity of feeding, rough handling of the birds in moving from one house to another, sickness and other things of this nature can cause pullets to go into a molt. Sometimes it is very difficult to locate the cause. Few commercial poultrymen, however, have much trouble with fall molt in pullets, for early hatching seems to have become quite general.

### Height of Fence on Range

Q.—Is a 5-foot fence sufficiently high for a range?—J. B. M., Pa.

A.—The height of a fence for a poultry range depends upon such factors as the size of the range, the type of poultry which you are raising, and the amount of green stuff and other feed on the range. No fence at all is needed if you have a large range supplying plenty of feed for the birds, so that they do not have to wander far from the shelters and hoppers in search of feed. On the other hand, if you crowd a large number of birds into a relatively small space where there is not sufficient feed for all of them, you will need a high fence to keep them within the lines. Naturally, White Leghorns are better flyers than are such heavy breeds as Rhode Island Reds and Barred Rocks, but ordinarily, a 5-foot fence is sufficiently high providing plenty of feed is available.

In deciding on the type and height of fence to put up, it is also wise to consider what you may want to keep out of the range, such as dogs, and the neighbor's poultry, in some cases.


Photo. Courtesy U.S. Dep't Agr.

Hen suffering from infectious laryngotracheitis finds breathing difficult

The Only Original Approved Vaccine

*Vineland* INFECTIOUS LARYNGOTRACHEITIS VACCINE

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100 Dose Bottle, $2.50 500 Dose Bottle, $10.00

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VINELAND PIGEON POX VACCINE

100 Dose Bottle, $1.25 500 Dose Bottle, $5.00

For Whole Blood Rapid Method Test for the detection of Pullorum Disease (B.W.D.) use—

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100 Test Bottle, 50¢ 500 Test Bottle, $2.00

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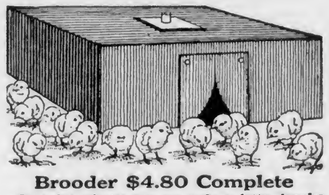

Brooder $4.80 Complete

In a few minutes you can make a better brooder than you can buy. No tools needed but a pair of ordinary shears. The materials, including Heater, cost only $4.80. Broods 40 to 100 chicks.

I want you to try my brooder and will send you plans for making it, together with a Putnam Brooder Heater, for $4.75. All postpaid. The Putnam Brooder Heater holds one quart of oil and

Burns 10 Days Without Attention

Try the brooder out and if you don't say it's the best brooder you ever used, return the Heater in 30 days and get your money back. When ordering, please give your dealer's name. *Send for my free Booklet "Poultry Helps."*

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Clean sweep of prizes again at New York Show, Jan. 1935. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.
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## *The Situation* BRIEFLY REVIEWED

**Egg prices** dropped fast and hard after the first of the year, aided by mild temperatures which increased egg production and slowed up consumption. Nearby special whites on January 18 were 23 cents a dozen in New York City, compared with 25 cents a dozen a year ago. Nearby special browns were 22½ cents a dozen on January 18, compared with 25½-26 cents the same day last year. Mixed color firsts sold for 19¾ cents this year, and 21¾-22½ cents a dozen on January 18, 1938.

**Egg production**, as indicated by receipts at the four major markets (New York, Chicago, Boston and Philadelphia) from December 1, 1938, to January 14, 1939, were 14.0 per cent larger than those for the corresponding period a year ago.

**Egg consumption**, as shown by trade output at the four leading markets from December 3 to January 14, was 2.2 per cent above that for the same period last year.

**Cold storage holdings of shell eggs** on January 1 were 63.9 per cent less than those for the same day a year ago and 52.4 per cent less than the January 1 five-year average, 1933-37. Total case equivalent of both shell eggs and frozen eggs on January 1 was 47.0 per cent less than that for January 1, 1938, and 11.4 per cent below the January 1 five-year average, 1933-37.

**Total frozen poultry holdings** on January 1 were 12.7 per cent greater than those of January 1 a year ago, and 5.0 per cent greater than the 5-year average, 1933-37.


Hall's Chicks
Leghorns ~ Reds ~ Rocks ~ Wyandottes
New Hampshires ~ Hallcross (Crossbred) Chicks

All chicks produced from flocks tested for Pullorum Disease (B.W.D.) by the Official State Testing Agency of one of the six New England States, with NO REACTORS FOUND
Tube Agglutination tested, within the preceding calendar year

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GOOD NEWS FOR

BATTERY BROILER RAISERS

The number of battery broiler producers has grown to considerable proportions in the North-east, particularly in New England, New York, and New Jersey. Most of these plants are raising a white broiler.

Such plants have heretofore been at somewhat of a disadvantage, not having been able to procure the right kind of white crossbreds in quantity.

The advantages of good Crossbreds are well recognized for broiler production. Our Hallcross chicks were developed for the particular needs of broiler-men; in fact our Barred Hallcross were first advertised in 1931 as "Hallcross Broiler Chicks."

The advantages of heterosis—that extra vigor gained by crossing two different breeds—are

1. More rapid Growth
2. Better Growth on Less Feed
3. Reduced Mortality

These have been amply proven on many—perhaps most—of the big plants raising broilers with barred feathers.

YOU SHOULD KNOW

we are equipped to furnish a substantial volume of our two Crosses developed especially for those who want a white broiler.

LIGHT WHITE HALLCROSS For quick growth squab and light-weight broilers.

HEAVY WHITE HALLCROSS For broilers of 2 pounds and up

Any raiser of white-feathered broilers, we believe, will find these White Hallcross an improvement on anything he has heretofore grown: because of their quicker growth—more economical gains—less mortality.

Remember please, all Crossbred chicks are not HALLCROSS, and cannot be expected to perform like HALLCROSS. The excellence of HALLCROSS chicks is due to the excellence of both parents. Our ideals, facilities, and supervision assure the superiority of HALLCROSS chicks.

Much good information will be found in our Service Leaflet, entitled, "Successful Battery Brooding." You may have a copy free, upon request. Please ask for Service Leaflet No. 7.

For those raising white-feathered broilers, we urge a trial order for Light White Hallcross or Heavy White Hallcross chicks.

Quality chicks since 1911. "Never a week without a hatch" since 1927. Pullorum free by State test since 1928. Each year we sell more chicks than ever before. We ship prepaid and guarantee 100% live delivery. Catalog and Price List free. Tel. Wallingford 645-5.

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STATE SUPERVISED-OFFICIAL BLOOD-TESTED CHICKS

BIG PROFITS
Quick PROFITS } FOR YOU

***Pleased Customers in 20 States Say PENNA. State-Supervised Chicks Pay***

Last year, our output exceeded 1,500,000. This year, the orders are coming in faster than ever, mostly from customers who know from experience that our Penna. State-Supervised Chicks are money-earners.

We have been producing Chicks for 10 years under Pennsylvania State Supervision: The highest grade stock, for health, growth, livability, production and profit; at the lowest price that can be figured on such superb stock; for YOUR success; YOUR prosperity; YOUR future.

If you are in the poultry business for EGGS, for BROILERS, for ANY or ALL Poultry Products, assure your success with Pennsylvania State-Supervised Chicks at prices you can afford to pay.

B. C. Raffensberger
Owner and Manager

**EVERY BREEDER—Hen or Cockerel**—without exception, is officially selected and blood-tested under the supervision of the Pennsylvania State Dept. of Agriculture, assuring uniform high quality.

**LABORATORY ACCURACY**— All blood samples are drawn by State-employed technicians and sent to the State Laboratory for testing. That is your positive protection against Pullorum (B.W.D.).

**SEX-SORTED LEGHORNS**
*Pullets or Cockerels*
**SEX-LINKED HAMP-ROCKS**
*Pullets or Cockerels*

**OUR CUSTOMERS REPORT**

300 R. I. Reds averaged annual egg income of $3.89 per bird.

4-lb. Leghorn pullets started laying at 4½ months of age.

Of 3,000 Broiler Cross chicks, 97% raised to market age.

Hamp-Rock pullets laid at 4 months, and were in 60% production at 7 months of age.

Leghorn pullets laid at 4 months, and eggs at 5½ months averaged 25 ounces to the dozen.

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**Our 1939 Catalog**, enlarged and profusely illustrated, contains the inspiring and instructive story of our program for poultry improvement, largest in the State, supervised by the Pennsylvania Department of Agriculture. It features also many illustrated accounts of the interesting experiences and triumphs of our customers, taken from the thousands of such case histories that we have on file.

Read what thrifty and ambitious people have done with our 6 Leading Breeds, and our Broiler and Sex-Linked Crosses.

**HAMP-ROCK** Sex-Linked Cross is from New Hampshire Males with Barred Rock females: Male Chicks Dark, Females like Barred Rocks.

**ROCK-HAMP** Broiler Chicks are from Barred Rock Males with New Hampshire Females: All Chicks are Barred, for Special Consumer Demand.

**PENNSYLVANIA MOUNTAIN-BRED NEW HAMPSHIRES**

16 Thousand Breeders, in one of the Greatest Poultry Improvement Projects Ever Attempted in the World!

**CHICK PRICES for Winter and Early Spring**

These prices are for immediate delivery or any time until April 30.

| Prices per 100 in lots from 100 to 5,000. | | Grade-A Matings | Special Matings |
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| WHITE LEGHORNS—"Big Type" | | $ 9.00 | $10.00 |
| SEXED LEGHORNS | —PULLETS 95% Accurate | 18.00 | 19.00 |
| PULLETS or COCKERELS | —COCKERELS 95% Accurate | 3.50 | 4.00 |
| NEW HAMPSHIRES | | 9.50 | 11.00 |
| BARRED ROCKS, WH. ROCKS, WH. WYANDOTTES, R. I. REDS | | 9.50 | 10.50 |
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"Frankly, Watson, it's a plain case of murder."

## *Here Are the Facts on Vitamin E*

[Continued from page 5]

solution of ferric chloride, the same procedure used by Card and his associates to destroy this vitamin. Mating experiments showed that after one year, all of the males were capable of fertilizing eggs, but that after two years, some of the males were sterile.

### Does Not Cure Fowl Paralysis

In addition to being necessary for the maintenance of hatchability and fertility, Butler and Warren of the Montana Livestock Sanitary Board have reported the results of experimental work which they believe indicate that vitamin E plays an important role in the prevention of fowl paralysis. In curative experiments, they report recovery of hens afflicted with fowl paralysis both by feeding wheat germ oil and by injecting it intramuscularly. In farm flock experiments they report a marked reduction in loss from fowl paralysis by fortifying the ration with wheat germ oil. In neither type of experimental work were control groups of hens, fed the same ration and subjected to the same treatment except that they received no wheat germ oil maintained.

The results of Butler and Warren, in my opinion, are not subject to the interpretation which they have given them, in view of the fact that the isolation of hens seemingly suffering from fowl paralysis has resulted in recovery and in view of the fact that reduction in mortality is quite apt to occur toward the end of the laying year as a result of the death of the less disease-resistant hens. Also the changes in the ration were not limited to the addition of wheat germ oil.

Several attempts have been made to confirm the results of Butler and Warren. Sawyer of the Western Washington Agricultural Experiment Station, Cole of the Cornell Poultry Department, Jungherr of Connecticut State College and Barber of the New York State Veterinary College attempted to cure fowl paralysis by feeding wheat germ oil and by injecting it into the muscles or the body cavity. In all instances groups of non-treated hens were maintained as controls. In both the treated and the non-treated groups an occasional hen appeared to recover, but the general conclusion was that wheat germ oil and, hence, vitamin E is entirely ineffective in curing fowl paralysis.

### Injections of "E" of No Help

Jungherr, in what was believed to be a crucial experiment, partially removed lymphomatous tumors of the ovaries, a condition allied to fowl paralysis, after which the birds were treated with wheat germ oil. In spite of the treatment, the tumors increased in size four to five times. Similar negative results were reported by English workers at the 13th International Veterinary Congress.

Upp and his associates of the University of Louisiana made a study of the value of wheat germ oil in curing iritis in poultry, a disease of the eyes believed in general to be of the same origin as fowl paralysis. They fed the oil for about one month to one of two groups of hens, equally matched in severity of eye symptoms.

At the end of the experiment, the eye symptoms in the treated group were still as severe as those in the non-treated group. Upp concluded from this work that no evidence was obtained in support of the contention that vitamin E will cure grey eyes or blindness in hens in a short time.

### Michigan Tests Negative

Davidson and Schaible of Michigan State College studied the value of wheat germ meal in preventing fowl paralysis and allied conditions, using two lots of White Leghorn pullets each of which contained 90 pullets. The control lot was fed an all-mash laying ration, and the other, the same ration supplemented with 5 per cent of wheat germ meal.

At the end of the 11 months' experimental period, the mortality from fowl paralysis and allied conditions in the control lot was 25.5 per cent and that in the wheat germ meal lot 26.1 per cent. In this experiment, no evidence was obtained, therefore, that vitamin E exercises any effect in preventing the occurrence of these conditions.

Titus and his associates of the National Agricultural Research Center, Beltsville, Md., distributed 3,702 newly hatched chicks in 12 brooder houses on the range during March. To the ration of the chicks in six of the brooder houses selected at random 0.25 per cent of wheat germ oil was added and to that of the chicks in the other six houses 0.25 per cent of refined corn oil.

At 24 weeks of age, the mortality

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English Leghorn PULLETS 95% guar. $13-100; Unsexed English Leghorns $7-100; Bar. Wh. Rocks, R.I. Reds $7.50-100; N. H. Reds $8.50-100; Leg. Chks. $3-100. H. Mix $7-100. From FREE RANGE Breeders Bloodtested. Catalog FREE. **STONEY RUN HATCHERY, H. M. Leister, Owner, Box E, McAlisterville, Pa.**


due to fowl paralysis as diagnosed on the range was 1.86 per cent in the wheat germ oil group and 1.71 per cent in the control group. These calculations were based on the original number of chicks. If the mortality had been calculated upon the number of chicks remaining after the removal of the cockerels, the mortality due to fowl paralysis would obviously have been greater than this.

The percentage of the total mortality due to fowl paralysis as positively diagnosed in the laboratory was 30.8 per cent in the wheat germ oil group and 31.8 per cent in the control group. Titus concluded that in this experiment the inclusion of 0.25 per cent of wheat germ oil in the ration did not reduce the incidence of fowl paralysis.

### Sources and Stability of Vitamin E

From the results which have just been discussed, it does not appear that hatchability can be increased or fowl paralysis and allied conditions reduced by fortifying the ration with extra vitamin E supplied either by wheat germ or by wheat germ oil. This appears logical in view of the presence of vitamin E in many of the poultry feedstuffs.

Corn, wheat, oats, the wheat by-products, alfalfa meal and fresh green grass are good sources of the vitamin. In cereals, the vitamin is concentrated in the germ. Crude corn germ oil and oat germ oil are excellent sources of vitamin E, while wheat germ oil is the richest source known. Most animal tissues and egg yolks are also good sources of the vitamin.

Except for sensitivity to rancidity, vitamin E is a very stable vitamin. It is destroyed by those oxidative changes which accompany the development of rancidity in fats and oils. In cereals and their by-products and in leafy green plants, the development of rancidity is retarded by the presence of substances, called antioxidants. It appears, therefore, that the feeding of rations which are partially deficient in vitamin E as a result of the development of rancidity is remote as long as freshly milled feedstuffs are used in poultry rations and as long as these rations move to poultry farms within a few weeks after manufacture.


**Acknowledgment**—The author wishes to express his sincere appreciation to Dr. C. W. Barber of the New York State College of Veterinary Medicine, Dr. Erwin Jungherr of Connecticut State College, Dr. H. W. Titus of the National Agricultural Research Center, Dr. C. E. Sawyer of the Western Washington Agricultural Experiment Station and Dr. C. W. Upp of Louisiana State University for permission to use unpublished data presented in this article.


"27 Questions and Answers on Hen Batteries" is the title of one of the popular brieflets issued by the Service Bureau of Everybodys Poultry Magazine, because it is written by a hen battery operator. You can get a copy by sending a 3-cent stamp, asking for Brieflet M-80.


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# Diary OF A POULTRYMAN

By P. S. White
Wayne County, Ohio

**Feb. 1**—There is an electric lamp in the west end of the block house that has been giving trouble for the last few mornings. It seems that there is something loose in the socket. Guess the best thing to do is replace it. I have determined through bitter experience that it doesn't pay to tinker with defective electric fixtures or pipe fittings. New replacements are the cheapest even in the short run.

**Feb. 3** — C. L. Haley, agricultural teacher at Jeromesville, about 12 miles down the road, wants me to give a talk to a special adult poultry class on the 14th at 7:30 p.m. The subject is to be "Housing and Ventilation."

The housing part is all right, but I am in the dark about the ventilation. I never have understood ventilation. In fact, I have never talked to any one whom I thought did understand poultry house ventilation. I have talked to engineers who thought they understood it, but observation of their handicraft didn't prove it to me. In other words, the litter is going to get soggy at this time of the year and there is no and, if and but about the situation. It does and it is a fact.

"A rubber tired wheelbarrow is a product of scientific merit beyond a question of a doubt. The more I see of it, the more I think it is one of the best buys I ever made."

**Feb. 5**—Floor litter gets damp from the top down; frozen droppings thaw from the bottom up. A change in the weather will often cause the litter to draw damp in short order. It will also cause the droppings to thaw sufficiently that the boards can be cleaned. This is what happened today.

And a rubber tired wheelbarrow is a product of scientific merit beyond a question of a doubt. The more I see of it, the more I think it is one of the best buys I ever made. A fairly accurate estimate of tonnage hauled today would be about 4 tons. This

# A Ton of Freight moved 100 miles
## *to buy each tie in this picture*

FARMERS work as hard for their money as anybody in America.

But railroads work hard for their money too.

For instance, to take in enough to pay for one crosstie ready to put in the track—a ton of freight must be hauled, on the average, more than 100 miles.

That doesn't mean that the profit on hauling a ton of freight 100 miles is enough to pay for a tie, because we're not talking of profits—we're talking of the total amount the railroads receive.

On this same basis, a ton must be hauled three miles to buy a postage stamp—or five miles to buy a nickel lead pencil.

A railroad spike takes the income from hauling a ton of freight a mile—and to buy a 100-pound steel rail 39 feet long takes the total income from hauling a ton of freight 2,500 miles—farther than the distance from Chicago to San Francisco.

When you realize that American railroads haul an average ton of freight one mile for about one cent, the marvel is that they are able to provide such safe, dependable, fast transportation—the finest service in the world. No other transportation agency gives so much for so little.

And in order for the railroads to keep on providing the dependable and economical transportation service which American farmers and industry must have, they need common-sense treatment such as this:

*Treat the railroads as a business. Give them reasonable freedom to "price" their only product—transportation service. Give them greater freedom to adjust rates to meet competitive situations, to adjust services to the demands of traffic; and to adjust expenses to the condition of their business. And give them equality of treatment and opportunity—equality with other forms of transportation in matters of regulation, taxation, subsidy and the like.*

This common-sense treatment which railroads need is outlined in horse-sense terms in a brief pamphlet. Write today for your copy.

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**Before You Buy Your Chicks read this Important Message by Dr. H. J. Smith, Research Director, Purina Mills.**

SCIENTISTS have known for some time that animal cells contain small quantities of a strange substance called yellow respiratory enzyme. This substance is necessary for cell growth. Without it there can be no growth.

**Important Growth Substance**

Late research has shown that vitamin G (flavin) is an essential part of the yellow respiratory enzyme which is so necessary for the growth of animals and birds. Not only is flavin essential to the growth of a baby chick *after* it is hatched, but it is also necessary for the growth of the chick embryo *inside the shell* during the 21-day hatching period.

If the hen doesn't get enough flavin in her ration, then she can't put a sufficient amount in the egg and the chick embryo fails to grow properly. You get poor hatchability and weak chicks at hatching time. If the growing chick fails to get enough flavin in its feed, then you get poor growth and stunted chicks.

**Flavin Content Varies**

For several years we have been trying to find a way to increase the amount of flavin in feeds so that the poultry raisers could be assured that there was always an adequate amount present. The best commercial sources of flavin that we knew of were alfalfa leaf meal, dried skim milk and dried buttermilk. But even with the most careful selecting and laboratory testing, we found it was hard to control the amount of flavin in the ration. These ingredients varied in flavin content depending on the time of year and the conditions under which they were produced.

Three years ago, we set out to find a dependable, concentrated source of flavin which would give us control over this important part of the ration. Today we are happy to announce the development of a new vitamin G (flavin) ingredient that exceeds even our fondest expectations.

**As Important as Discovery of Cod Liver Oil**

This new concentrate is called PURI-FLAVE. It is 2½ times richer in flavin than dried buttermilk or dried whey. We have tested it carefully under all conditions for an entire year in the Purina Research Laboratories. We are convinced that it is one of the greatest feeding developments of the past 20 years. In my own mind I feel that the discovery of the importance of flavin in poultry feeding is as important as the discovery of vitamin D (cod liver oil).

**Better Hatches and Stronger Chicks**

PURI-FLAVE is now being added to Purina Lay Chow and Layena in order to give increased hatchability and stronger chicks It is also being added to Purina Startena, Growena and Growing Chow. May I strongly urge that before you buy chicks this year you see your Purina dealer and ask him where you can buy Purina Embryo Fed Chicks, which are produced on this new improved feeding plan. He will also supply you with the new Purina Startena containing Puri-Flave.

PURINA MILLS
819 Checkerboard Square, St. Louis, Mo.


includes manure, patching the road with gravel, apple pomace for the cows and some bags of wheat.

**Feb. 8** — I went over to Verne's today and borrowed his models of poultry house equipment. It seems to me that it will be a good policy to take them down to Jeromesville next Monday. Equipment surely goes right along with housing.

One of the local dealers made me such a good price on an electric fence unit I simply couldn't let it get away from me. The orchard will need another fence this year if sheep are pastured in it. I have heard so much about this electric fence business that I am going to give it a practical test out. But I just don't think it will hardly work for chickens.

**Feb. 9**—Wm. Ball, the manager of the local food storage locker plant, is developing the idea of smoked chicken. At least it is a new idea around these parts. The method of procedure is simple. The bird is placed in a brine solution for 24 hours and then smoked for a day. He has smoked several and we are just waiting for a convenient time for all to give his handiwork a trial. The smoked carcass has the appearance and color of a cured ham and the taste is supposed to be somewhat akin to that of ham. It will be a queer sensation to eat something that looks like chicken, but doesn't taste like chicken.

**Feb. 10**—Had a clean-up today on a few running gears, the dead and dying so to speak. I don't like to see them sticking around, but it appears that they will crop out once in a while If I burn all of my stock in the furnace, it is only a question of time until I will be wearing wooden diamonds.

Dead hens, though, do make a hot fire after they get started. A rather expensive fire, I would say, if the initial value of the bird was given any consideration. But if all of my troubles were no greater than a dead hen every so often, life would be sweet indeed. Yes, it would be sweeter than that.

**Feb. 11** — The first session of the Wayne County Poultry School was held last night in the Auction Building, C. M. Ferguson, poultry extension specialist, conducting. The subjects for discussion were breeding, bloodtesting, sexed chicks, broiler outlook. The sound moving picture, "The National Poultry Improvement Plan" was shown.

There were about 100 in attendance. After the meeting was over, several of us stuck around and settled all the troubles of poultrydom. They were settled last night, but this afternoon I woke up to the fact that I was two days behind with my egg packing. It is so easy to get behind with the work and apparently so hard to get caught up again.



The hook! The hook! My kingdom for a catching hook. At least that is what I thought today when I needed a hook badly and couldn't find one. I have always made it a policy to keep a catching hook in each house so I could put my hand on it in the dark, if necessary, but someone evidently used it and failed to replace it. And finally, when I had found the hook and was ready to catch the bird, I didn't need the hook at all. No, it was love's labor lost. I just picked her up by one leg and started the death march towards the furnace. The victim's pen mates had gotten in a nice piece of dirty work while my back was turned.

"At last, we have discovered a practical solution for the burlap covering from the peat bales. They make dandy door mats for muddy weather. And, when they get too dirty, we just sock them in the furnace."

**Feb. 14**—Well, the old saying of "a friend indeed is a friend when in need," held true tonight. I was to have gone to Jeromesville to talk to the poultry class of Prof. Haley, but I am down with a cold. Yesterday was like a spring day and I guess I got a little too warm. Anyway, I have a cold and it has settled in my stomach. I will tell the world that the stomach is a bad place for a cold to settle.

"Kid" White phoned Verne Chamberlin and he substituted for me. Harold has kept the regular work caught up, but it pushed him to get it all done. The eggs are piling up; none have been packed today. If I don't feel any better tomorrow, there will be a smear of them to pack Wednesday.

**Feb. 15**—I still have it and bad too. Didn't sleep much last night, but was able to eat something today. That is more than I was able to do yesterday. In looking over the egg records for last month, I noticed an interesting thing. There were three sets of twin production days, 307, 307, 320, 320 and 332, 332. Stranger things have happened, but this is rather interesting at that.

**Feb. 16**—I was a little late in getting the eggs to the Auction for I was packing all morning. I asked Florence —she always answers the Auction phone—to tell Ralph Sheppard that I would be late, but that I would be there just the same. This is typical of our work at present. We apparently are getting later with our work, but we eat supper just the same — after the work is done.


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PULLETS for large, brown eggs; COCKERELS for BARRED broilers and roasters. Sexed Nature's way.

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**4 Years under Maryland-U. S. Approval**
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"On May 27, we received from you a shipment of the best chicks which we have ever received from any hatchery. We are satisfied as to quality and as soon as we start fall brooding, you will get some more business from us."—S. E. Abbott, Java Village, N. Y.

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BARRED ROCKS
Vermont's hardiest, healthiest, northbred Rock chicks.
2 FARMS 4100 BIRDS
Pullorum clean for years. Profitable broilers. Heavy year round layers. Almost no broodiness. Send for free folder, early order discount, make-good guarantee.
CHAMBERLIN POULTRY FARMS
R.F.D. 4 West Brattleboro, Vermont

The lights are coming on at 4:45 a.m as the days are getting longer. It just won't do to force the birds too hard at this time of the year. Heavy production, and we are feeding lots of whole corn in order to hold the body weight. If the birds go down in body weight—look out—an early molt is ahead.

**Feb. 17**—The second session of the poultry school was held tonight. "Fergie" talked this time on brooders, water fountains, feeders, nests and roosts. There was a display of commercial equipment by local dealers. Harold Edwards of the Wooster Feed Manufacturing Company had an egg cleaning machine on display. It worked.

"There was a double egg and a dwarf egg in the same nest today. If I believed in signs, I would say it meant a fat year followed by a lean one. Maybe it would be vice versa, as I don't recall which one I picked up first."

**Feb. 18** — Back on the regular schedule again. All the egg packing has been brought down to date and they were delivered this morning on time. This afternoon, the weekly dropping board cleaning got under way as per usual. Not much done this week in the matter of extra projects, but we have held our own, which is an item well worth considering.

If egg prices would only hold their own, it would be even more worth while considering, but it doesn't seem to work that way. For high prices may come and high prices may go, but I go on forever in a bewildered state of mind. Bewildered is right; I think I know less every day. I should soon reach the point where I can start all over again.

**Feb. 19** — I brought a couple of smoked chickens home yesterday. Wm. Ball has been invited to give them a practical test out tomorrow, Sunday. We will also have corn on the cob and strawberry short cake from fresh berries. This quick freeze cold storage business is great.

"Kid" White has been dressing quite a few hens of late, and into storage they go. There is one nice thing about hens in cold storage, they do not eat. This is an item that I try to keep in mind all the time.

At last, we have discovered a practical solution for the burlap covering from peat bales. They make dandy door mats for muddy weather. And, when they get too dirty, we just sock them in the furnace. There is nothing like utilizing all by-products.

**BODINE'S**
**Pedigreed LEGHORNS**

TRAPNESTED & PROGENY TESTED
We have a U.S. R.O.P. Breeding Farm. Every chick and egg is Officially Produced. We hatch only eggs produced from the 7000 breeders on our own farm and do no custom hatching.

LARGEST U. S. R. O. P. FLOCK in EAST
We have the largest U.S. R.O.P. flock of Pure Hanson Leghorns in the East. Every chick and egg is 250 to 327 egg U.S. R.O.P. Sired.

**Early Order Discount** Offering a discount of 2¢ a chick on orders received before March 15.

*Last year in U.S.R.O.P. Trapnest we produced 44% of all the 300 egg Leghorn hens in New York State.*

Send for free catalog and ask for prices on Certified chicks or sexed pullets, also U.S. R.O.P. chicks or U.S. R.O.P. Baby Breeding Cockerels.

ELI H. BODINE, Box E, Chemung, N.Y.

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"You look good to me." That's what everybody says about BRENTWOOD New Hampshires. And they are good to you, too! From one of the foremost flocks in New Hampshire, and one of the largest to be state accredited. They are great for livability, feathering and egg laying.

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**Peckham FARM Reds**
High grade, bred-to-lay stock at farm-profit prices. Practically non-broody, and
GREAT LAYERS
We've bred this strain for 14 years
OVER 4000 BIRDS
Pullorum Clean for years and years
You'll be pleasantly surprised at our most reasonable prices for Sexed and Straight-run
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**Anthony**
R.O.P. WHITE LEGHORNS
*Trapnested and Pedigreed*
SEXED DAY OLD COCKERELS
for Breeders and Broiler Men
BABY CHICKS, all hatched from our own breeders on our own farm. Write for new 1939 catalog describing our farm and breeding, and prices.
GEORGE M. ANTHONY, Box E, Strausstown, Pa.



**Feb. 21**—The family has well nigh gone hog wild over smoked chicken. It is great stuff, and there is no question about it. Smoking has a tendency to dry the meat a wee bit, but this is overcome by cooking longer and with plenty of broth. The chicken taste is practically eliminated and a peculiarly pleasing ham-like taste substituted. I believe that Donn and Nancy Jane could each eat a fair sized bird at one sitting. Fresh strawberry short cake and corn on the cob also taste awful good at this time of the year.

**Feb. 22** — R. E. Cray, Extension Poultryman, and a delegation were visitors late yesterday afternoon. They first visited the auction and the cold storage locker plant, as most of the members were interested in marketing. In fact, this delegation were thinking rather seriously of the advisability of establishing an Egg Auction at Zanesville, Ohio. The real purpose of their visit out here was to see how eggs were handled on the production end. They were especially interested in the egg room and the cooler.

The electric current went off at 4 a.m. today. I immediately phoned the power house, and the trouble shooting crew was out here in 30 minutes. It seems that the lightning struck the transformer last summer and cracked it. Recent rains shorted it with the result that it burned out, but by 6 o'clock, we had power again and everything was hunky-dory. It was a rather short day for the stock, but often times things happen over which I have no control.

**Feb. 23**—There was a double egg and a dwarf egg in the same nest today. If I believed in signs, I would say that it meant a fat year followed by a lean one. Maybe it would be visa versa, as I don't recall which one I picked up first.

**Feb. 24**—There is much running to and fro around this neck of the woods at present. R. E. Cray was in here with another delegation this afternoon and C. M. Ferguson, the other extension poultryman, holds the third session of the Wayne County Poultry School at the Auction building tonight. These egg farmers around about should get pepped up for the spring rush. "Fergie" will talk tonight on brooding, feeding and sanitation. Then there will be a panel or round table discussion on brooding by Dr. Kennard, Auction Director Earl Rice, Producer Leo Buchholz and Old Man White. Well, I have never seen four chicken men yet who couldn't put up a fair-sized argument. As a rule, two are all that is required.

**Feb. 25** — I cleaned the egg room today of all cracks, doubles and blood spot eggs. It seems to me that these

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*Eshelman* POULTRY FEEDS
during the past 15 years, we thought you would be interested in learning about them ... When we started we were in debt on our farm. Today our bills are all paid and we have, thanks to the good work of Eshelman Feeds, a home we have always wished for." (Name on request)

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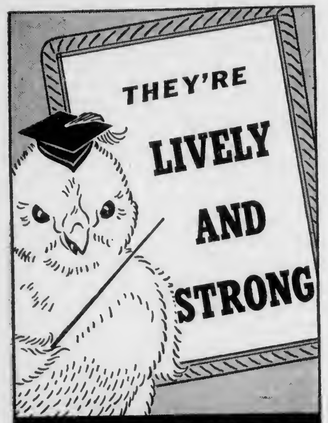
**ENGLISH LEGHORNS**
FOR VIGOR — HARDY NORTHERN CHICKS
Every Chick from 26 to 28 oz. Eggs
Pearson's Nes-to-U
Rt. E, Keene, N. H.
THIRTEEN GENERATIONS OF OLD HEN BREEDERS back of every chick. Insures high livability in the laying pens. Pullorum tested. EVERY EGG PRODUCED ON OUR OWN FARM. 32 Years Service to New England Farms. Wins State Honor, N. H. Home Egg Contest 1938—our 3120 pullets averaged 211 eggs each, 13% mortality. FREE CATALOG.

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**NEW HAMPSHIRES**
BARRED ROCKS—WH. ROCKS
WHITE LEGHORNS
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Eleven years State Bloodtested.
Fifteen years producing Better
**BABY CHICKS**
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Ritchey's Poultry Farm, Box 5, Grove City, Pa.


three grades have accumulated rather fast the last few days. Cracked and double eggs are very seldom sold on the Auction as our back door trade usually takes them all. There were 10 dozen blood spots which, after all, was not a very large percentage when the total number produced is taken into consideration. If blood spot eggs can be held down to around 1 per cent, the loss from this source is not very great.

The panel discussion last night ran true to form. It was an argument from the start. Then when the meeting closed, the crowd hung around and re-hashed the whole thing. "Red" Crooks says he is going to have another panel discussion on next Thursday's program.

**Feb. 28** — The bottom well nigh dropped out of the thermometer last night. It just got down low enough so that I drained the pipes in the barn. At 11:30 p.m., I figured that life was too short to take a chance, so I went out and drained them. Peace of mind can often be bought cheap; sometimes only a little labor is required.

Earl Wharton brought in two loads of sand for the brooder houses out on the range, but the load was too heavy in each case to get to the final destination. Guess we will have to use the rubber tired wheel barrow. The fellow who invented the rubber tire for a wheel barrow, invented something worthwhile. From all indications, March is going to come in like a lion.

## Brooder House in Shape?

Although it may be a few weeks, or even a few months, before you will be brooding your baby chicks, now is a fine opportunity to get everything ready so when the time comes you won't be hurrying around cleaning the house, ordering more equipment, making repairs and replacements, and worrying for fear the chicks will arrive before you are ready.

"I hear that's where they send all BAD EGGS."

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**"Good Luck" CHICKS**

Yes! Everyone is interested in Bigger Profits. You can make money like many Neuhauser Customers when you start with Good Luck Chicks. Choice of 24 Breeds from Bloodtested breeders. Including SEXED PULLETS, COCKERELS, CROSS BREEDS, DUCKLINGS. 100% Live Delivery and 14-day Livability Guarantee. Get FREE Color Calendar Catalog and low prices. We pay postage.

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**NEUHAUSER CHICK HATCHERIES**
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**THE NEW LEGHORN**

Lives and lays well for several years. It's a Big, Rugged all weather layer, progeny test bred from high disease resistant old hens and males 2 to 9 years old kept under ordinary conditions much the same as yours. **We specialize in chicks from 2-3-4-year old hens—get away from pullet breeding and you'll get results.**

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From Big Rugged birds brooded and grown in batteries who have averaged 200 large white eggs in laying cages. Much lower prices for 1939. Educational catalog free.

SMILEY FARMS, Route 8, Jackson, Mich.

Buy SMILEY'S U.S. Certified Chix

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"Cotton Mountaineers" aren't just chicks. They are **quality** chicks. This means they attain quick, even growth and feathering and are soon ready for broilers or for long-time production of large, brown eggs. They have low mortality and are disease-free. All Breeders tested 100% BWD Free. Write today for our detailed catalog.

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R. F. Thurrell, Box 70, East Wolfeboro, N. H.

**NEW HAMPSHIRES** BRED the BEST for BUSINESS
*By Gadd ~ They're Good*

And we mean GOOD! 100% BWD free for last 15 years. New Hampshire State Accredited. Best for layers—broilers. Free catalog explains our five point "profit" breeding program — why customers repeat. All stock guaranteed. Write today.

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**CHETEROSIS** QUALITY **SEXED CHICKS**

4000 guaranteed pullorum clean breeders. Hatching Reds, Barred Rocks, Crosses, White Rocks weekly. CATALOG FREE!
**CHESTER PILCH, Box 55, Feeding Hills, Mass**

**BECK'S U.S. APPROVED CHIX**

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breeds & Cross $10 up. Also sexed & Started Chix. Warner Elec. Brooder.
Beck' U.S. Approved Htchry, Dept. E, Mt. Airy, Md.




## *Pushing Egg Sales?*

Are you helping to encourage egg consumption? If you sell eggs directly to the consumer, you can do a lot to get folks to use more eggs by enclosing egg recipe cards in your cartons. Two Egg Recipe Kits of six cards each, suggesting new and different ways in which to prepare eggs, are available through the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa. Please send a 3-cent stamp for each kit. Prices for quantities will be sent upon request. Boost your egg sales!

## Selecting Hatching Eggs

J. C. Taylor, associate extension poultryman at the New Jersey College of Agriculture, gives the following points in selecting hatching eggs that will improve the size, shape, and color of the eggs on the poultry farm:

1. Use eggs that weigh not less than 24 ounces and not more than 28 ounces to the dozen.
2. Use uniform and normal shaped eggs, not eggs which are long, short, round, or odd shaped.
3. Use uniform colored eggs — no cream colored or other tinted shells in the white eggs, and no brown eggs of a shade not characteristic of the entire flock.

## Monthly Rate of Production

According to the Agricultural Extension Department of Purdue University, the following is a good standard of monthly egg production, on the basis of 160 eggs per year per hen:

| | | | |
|---|---|---|---|
| January | 9 | July | 17 |
| February | 12 | August | 15 |
| March | 18 | September | 13 |
| April | 19 | October | 5 |
| May | 20 | November | 7 |
| June | 18 | December | 7 |

## Preventing Dirty Eggs

Your birds will lay most of their eggs before one o'clock in the afternoon. If you are in the habit of letting your birds out a short while every day during the winter for a little sunshine and fresh air, gather the eggs about noon or before you open the doors to the birds. In this way, you can almost entirely prevent an increased number of dirty eggs.

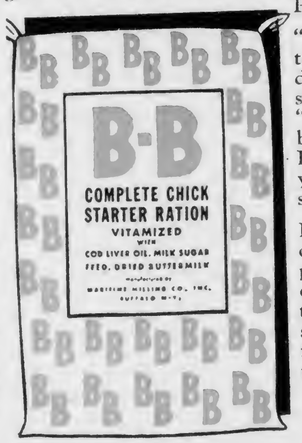
## Each Link Must be Strong

The old saying, "A chain is as strong as its weakest link," surely applies in all phases of the poultry business. A poultryman who expects to have good pullets to put in his laying house must watch closely the kind of chicks he buys, and the feeding, housing and management during the brooding and growing stages. One weak link in the chain weakens the others.


**B-B Vitamized**

**COMPLETE STARTER RATION** *builds the* **SOUND FOUNDATION** *that means* **MORE PROFIT!**

Experienced poultrymen quickly notice the extra livability and extra vigor that B-B Vitamized Complete Starter Ration definitely builds into chicks. "We raise 6,000 chicks each year and figures prove B-B gives lowest mortality, most stamina," reports Hoepfl's Poultry Farm, Perkiomenville, Pa.




"Better development, better bone structure, also practically 100% livability is decidedly noticeable in birds on B-B," says Harry L. Burkhart, Mohnton, Pa. "1000 chicks on B-B, the nicest lot of birds we ever raised," writes Lind Bros., Lyons, N. Y. "In poultry business 20 years and B-B is best starter I ever used," says Ralph Spielman, Perkasie, Pa.

In every case, the report of these successful poultrymen is based on comparison with other feeds. These experienced users *know* their chicks are getting a better foundation and a better start on the road to profit when they feed B-B. You, too, will make more money feeding B-B!

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Make
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Nearly 40 Years Breeding Exclusively "KERLIN-QUALITY" S. C. W. Leghorns
Pedigreed, Trapnested Breeders. Every Breeder State Blood-Tested

This hen laid 331 eggs in 1 year. Official Record. Big type, beautiful white layers.

SUPREME MATINGS—from STOCK PROGENY TESTED for HIGH EGG PRODUCTION and HIGH LIVABILITY; U. S.-R.O.P. dams with trapnest records 275 to 300 eggs—they have 4-6 consecutive generations of 250 to 340 egg ancestors on dams' side—300 to 352 eggs on sires' side; U. S.-R.O.P. males and females produced by World's Record 1937 Pen which averaged 313.9 eggs, 355.9 points.

All males heading our supreme matings have pedigree records as here described—undoubtedly the **World's Best Bred Line of Leghorns.**

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Get the cream of nearly 40 years continuous breeding improvement of only one breed, "KERLIN-QUALITY" S. C. W. Leghorns. My 1939 matings contain what I believe to be the best Leghorn breeding in America. This means that you have that much extra chance to make extra profit in 1939 and years to come, with "KERLIN-QUALITY" chicks. Over 100 Contest Winners. Over 250 Cash, Gold, Silver, and Bronze Awards for unusual and outstanding merit: Sustained High Egg Production, and High Livability are credited to "KERLIN-QUALITY." Nearly 100,000 customers in 48 states and 30 foreign countries.

**10-Point 30-Day Guarantee**

**Day-Old Pullets** (Guaranteed 95% true to sex)

**Day-Old Chicks** (not sexed), Day-Old Cockerels

**$3.00 PER 100 CASH DISCOUNT** for ordering early. Answer this ad promptly. Get my FREE 40-page catalog "Make Extra Profits This Year with America's Great Money-Making Strain," and FREE Kerlin Service Bulletin.

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**A.P.A. REGISTERED AND DOUBLE PULLORUM TESTED CHICKS**

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Assures our customers of better breeding, better livability, quicker developing chix. Flocks under personal supervision of APA Judge. Eggs individually graded and weighed,—we set only 2 ounce eggs and up, which guarantees BIGGER, HUSKIER and BETTER chix. Write for catalog, and remember

**"Burgess Chix are Better Chix"**

BURGESS HATCHERIES, INC., — Bowling Green, Ky



**Leister's LIVE-PAY CHICKS**

Hatches in Elec. Incubators. Hatches Mondays & Thursdays. Write for latest catalog or order direct from this ad. Cash or C. O. D. Yearly Service.

| (Leghorn Ckls. $3.00) LARGE TYPE ENGLISH S.C.W. LEGHORNS | 100 $7.00 | 500 $35.00 | 1000 $70 |
|---|---|---|---|
| Large Type Eng. S. C. White Leghorn Sexed Pullets (Guar. 95% Accurate) | 13.00 | 65.00 | 130 |
| Bar. & Wh. Rocks, R. I. Reds | 7.50 | 37.50 | 75 |
| New Hampshire Reds | 8.00 | 40.00 | 80 |
| Heavy Mixed | 6.50 | 32.50 | 65 |

All breeders Bloodtested for B.W.D. by stained antigen method. 100% live delivery guar. WE PAY ALL POSTAGE. HEAVY BREEDS SEXED ON REQUEST. Write For Prices.
C. P. Leister Hatchery, Box E, McAlisterville, Pa.


## Egg Auctions Prove Their Value

[Continued from page 8]

The Bucks County Producers Cooperative association had 28 paid members on the day of its first sale. It now has approximately 700 members consigning 1,000 to 1,800 cases a week. During its first year the cooperative sold more than $200,000 worth of eggs and in 1937 the value passed over the $600,000 mark. The cooperative this year did a $700,000 business at a cost of $28,000. It now auctions live poultry for its members. Slow to take hold at first, this service is providing a profitable outlet for live birds.

One of the leading egg and poultry auction associations in the East is now considering the establishment of a dressing plant with cold storage facilities for the handling of poultry meat. At one time when live Leghorn hens were selling at 12 cents a pound, the same grade of bird full blood and feather dressed was retailing at 46 cents a pound. They believe that with proper facilities part of this differential can be returned to their members.

### Returns Are Increased

Just what has the auction method of selling meant to the producers? Records kept by a member in the early months of the Doylestown market, will best answer this question. Based on the New York premium price for white extras less two cents per dozen, 7590 dozen eggs brought $18.31 more on the auction, even after all expenses had been deducted, than they would have sold to a huckster calling for them at the door.

The gain by selling 9240 dozen mediums by the auction method was $85.42, while returns from 3717 dozen pullet eggs were $74.62 greater. By selling through the auction, $7.44 was gained on 1228 dozen pee wees. In other words, the total gain amounted to $185.79.

However, one point is not made entirely clear by the above report. It so happened that previously all pullet grade eggs had gone to hucksters as pee wees. Therefore, the actual gain on the 3717 dozen eggs sold on pullet grade was $664.23.

"After all expenses were paid, our records showed a gain of approximately 2 cents a dozen in favor of the auction method of selling. We compared auction prices with New York quotations less two cents a dozen," this satisfied patron stated.

### Non-members Benefit

The opinion of experts after studying the egg and poultry marketing situation in Pennsylvania is that returns to producers have been increased by one to 12 cents a dozen for eggs of the same quality. This increase in receipts also applies to non-members in areas covered by the auction as well as in adjoining counties. Buyers who do not patronize the auctions pay their producers practically auction prices.

### Broadens Market Area

Another advantage of the auction system is the extension of the market area. Because large numbers of brown eggs are marketed at Doylestown, buyers are attracted from points as distant as Boston. Many producers prefer breeds laying brown eggs but until a market was developed, white eggs usually sold at a premium because of local preference.


**NEW WHITE EGG Sensation**

**AMERICAN WHITES the "ALL AMERICAN" HYBRID**

Large White Birds with Yellow Skins laying Chalk White Eggs. Hybrid vigor increases disease resistance resulting in higher flock averages and longer laying life. Chicks for Demonstration Flock purposes at Special prices. "PROOF OF CUSTOMER'S PROFITS"—FREE.

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**CHRISTIE'S New Hampshires Burst Forth Full of SPIZZERINKTUM**

"SPIZZERINKTUM" Means ABUNDANT VIM, VIGOR and VITALITY

Christie's Spizzerinktum Chicks have covered the Americas and crossed the ocean, to make bigger profits for Christie Customers.

35,000 PULLORUM-PASSED BREEDERS

**Straight NEW HAMPSHIRES**
**CHRIS-CROSS Barred Hybrids**

All Bred for Fast Growth, Complete Feathering, Early Maturity, Heavy Production, Bigger and Better Brown Eggs, Long Life, Lowest Mortality. Get Your Order in Now for Early Deliveries. Send for Catalog and Price List at once . . . . don't delay!

**ANDREW CHRISTIE, Box 10, Kingston, N. H.**



**AVERY'S CHICKS** — Mass. R. O. P. Mass. Accredited and Certified

Only males of known ancestry used whose sisters are performing satisfactorily under trapnest records. AVERY REDS breed here 40 years. 18 years BWD tested without a single reactor on over 50,000 birds. Every egg set our own. AVERY REDS OR CROSSES Live, Feather, Grow, Lay Big Eggs. Pay Profits. Pullet Chicks available. SATISFACTION GUARANTEED. Catalog free.

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Superior quality Pekin Ducklings and Bronze Turkey Poults at lowest prices. Indian Runner ducklings, Chicks, Eggs. Free catalog tells of excellent profits.
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**40,000 CHICKS WEEKLY**

Purebred, Blood-Tested Barred & White Rocks, White Wyandottes, White and Brown Leghorns, Black & White Giants, New Hampshire Red-Rock Cross, and Anconas. Catalog Free.
L. R. WALCK HATCHERIES, Box E, Greencastle, Pa.




## Eggs Help Improve Vision

A recent experiment, conducted by Dr. Lela Booher and assistants, Bureau of Home Economics, U. S. Department of Agriculture, showed that sufficient vitamin A is necessary in the diet for good vision in dim light or at night. For a period of six months, five persons were given meals that contained an ample and constant supply of calories, protein, fat, minerals, and all the known vitamins except vitamin A. The subjects neither gained nor lost weight, and except for the night blindness, appeared healthy throughout the experiment.

After a period of 36 days, one of the persons required 10 times the amount of light to see as well as at the start of the experiment. After 43 days, this person required 10,000 times as much light for normal vision as at the beginning.

Since night blindness comes so gradually that a person would not notice it if he did not know in advance the possible result, it is possible that many persons have poor vision without realizing it. Home Economics experts point out that eggs, milk, green vegetables and cod liver oil are important sources of vitamin A.

"What's th' matter with your wife?"
"Shell shock! She set on some eggs, and ducks came out of them!"

*Feed them* **PARK & POLLARD STARTER AND BROILER MASH**

Follow the advice of poultrymen who judge feeds by results! Get your chicks off to a great start with P & P Starter and Broiler Mash. Built to produce rapid growth, sound development, high vitality and resistance to disease—this popular Lay or Bust feed lays the foundation for a highly productive flock at low feed cost per pullet housed. Prove it! Order now from your Park & Pollard dealer. Look for outstanding results! Providing your breeding and management program is sound you won't be disappointed.

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PRODUCE RESULTS THAT PAY MORE PROFITS



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THE HUMANE OIL-O-STAT BROODS NATURE'S WAY. AVOIDS "RING" BROODING

World's Largest Selling Brooder. Now priced lower—unequalled at any price. Many patented features insure greatest convenience—economy—safety. Blued steel corrugated heaters with double bottom, scientific baffling—Easy clean burner. Used everywhere any weather. Six sizes—Write for folder.

**THE MAKOMB LINE**
75 Madison Ave., MACOMB, ILL.
World's Largest Manufacturer of Brooders.



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WHICH ARE YOU BUYING???

Profitable Modern Chicks (Ohio and U.S. Approved) bring hundreds of customers back year after year. 23 years hatching and flock improvement. Better breeding, careful bloodtesting and culling. Latest type incubators, constant fumigation. No mass production. SEND FOR FREE CIRCULAR.

Five profitable Breeds...S.C. White Leghorns, White and Barred Rocks, R. I. Reds and Buff Orpingtons. Liberal livability guarantee.

$8.00 for 100 Quality Chicks WORTH MORE

MODERN HATCHERY - - - BOX 106, - - - MT. BLANCHARD, OHIO

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Do you want to make as much as $50.00 extra profit on every 500 chicks you raise? Then you want our new Book and Breeders' Guide. Learn about famous TRUSLOW Maryland U. S. Approved Chicks, guaranteed to be produced from 18,000 breeders selected and bloodtested by state officials, cooperating with the U. S. Department of Agriculture.

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**OLDEST BREEDER IN AMERICA**



**WORLD'S OLDEST & GREATEST**
STRAIN OF BARRED PLYMOUTH
**ROCKS**

50TH ANNIVERSARY CATALOG FREE—tells how from a small flock of 16 birds in 1889—the Parks Strain has developed into the most popular and widely known Rocks. THE ONE STRAIN THAT

**COMBINES EGGS — BEAUTY — AND MEAT**

Pioneers as Contest Winners, also customer Certified Laying Reports up to 357 eggs in year, 148 eggs 148 days, Laying at 113 days, Flock averages up to 271 eggs. Make good everywhere—in cold ALASKA, hot VENEZUELA, far-away BURMA, all over the U. S., in fact wherever Livability, Quick Growth, and Heavy Laying are appreciated.

J. W. **PARKS** AND SONS

Blood tested—R.O.P. — State Supervised. EGGS—CHICKS —YOUNG STOCK. PRICED RIGHT—CATALOG FREE.

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**Tomlin's CHICKS** MALES $4.00 PER 100

SEXED **PULLETS** $12.90 UP PER 100

New England's LOW prices on 100% New England **Pullorum Clean** chicks, rich in LARGE egg size high production breeding of some of New England's finest strains. Thousands of breeders R.O.P. sired. Doubly guaranteed—100% live arrival, high livability. Big Leghorns, Barred Rocks, real New Hampshire and R. I. Reds, Crossbreeds. As hatched or sex guaranteed. Write today for FREE CATALOG that tells all. Postcard will do.

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VIRGINIA CERTIFIED and U. S. APPROVED PULLORUM TESTED

**BABY CHICKS**

ROCKS • REDS • LEGHORNS
Hatches weekly—Free Illustrated Catalog.
Massanutten Hatchery, Box D, Harrisonburg, Va.


## *McCoy Broods His Chicks With a Loss Under 1 Per Cent*

[Continued from page 6]

pen. These platforms are 4 inches high and are covered with half-inch mesh hardware cloth.

The use of wire platforms keeps the chicks out of the droppings, but McCoy likes them because they simplify cleaning. Also, there is less danger of sweating among chicks on wire platforms, because of the circulation of air below.

During the first few days, the chicks are kept rather close to the heat. This is accomplished by placing a board or panel on edge across the width of the pen about a foot or so away from the wire platform. This distance is increased a little each day, so that by the end of the first week, the chicks know where to find the heat, and the panel can be removed.

### Flushing Mash for First Feed

When the chicks are placed in the brooder house pen, they are given warm water in mason jar founts. For their first feed, they get a flushing mash in a limited amount. This is then replaced with an all-mash chick starter which is kept before them in hoppers all the time.

The use of a flushing mash as the first feed seems to be rather unusual, but McCoy believes it necessary to clean out the digestive tract of the newly hatched chick. The flushing mash is fed once each week throughout the growing period. On Monday morning of each week, the feeders are emptied of the regular starting mash and replaced with flushing mash which contains 40 per cent milk in the form of dried whey. McCoy believes that this part of his rearing program has had a lot to do with the prevention of coccidiosis in his flock, although he does lean strongly to the idea that an immunity to a disease like coccidiosis can be built up in a flock.

At one time the pens were cleaned on the day following the use of the flushing mash, but this is no longer done. McCoy doesn't believe in raising chicks under the spic and span conditions of a laboratory, for he maintains that chicks have to bump up against some dirt in order to develop resistance. This does not mean that he allows filth to develop unrestricted. The water fountains are cleaned daily, because fouled water can cause the rapid spread of disease. He simply feels that there is such a thing as going too far on the matter of cleanliness in raising chicks, a view that is shared by a growing number of poultry raisers who can be classed as veterans in the business.

### Cool Room Brooding

What about cannibalism? McCoy occasionally has some outbreaks occur, but his chicks are comparatively free of this costly vice. Crowding and too much heat, he believes, are responsible for most of the cannibalism outbreaks.

At one time, he had gas heated hovers in the center of each pen, so it wasn't possible for the chicks to get away from the heat very easily, and there was more cannibalism. With his present arrangement where the heat is all at the back of the house, the front part of the pen is relatively cool. Low temperatures in brooding encourage better feathering, and there seems to be less of a tendency for the chicks to become restless and start the picking habit.

There is nothing fancy or complicated about the methods employed by J. C. McCoy, Jr., in brooding his chicks. As long as he can get his chicks past the first three weeks, the most critical time in their growing period, with a loss of less than 1 per cent, he plans to stick to his present methods.


**SAVE Money, Time, Labor**
**BUY — Don't Build POULTRY HOUSES**

We are pioneer manufacturers of Sectional Poultry Houses. Now made of fragrant vermin-repelling red cedar. Tight, warm and sturdy. Easily erected without skilled labor; can be readily taken apart and moved to new site. You save money and get a better building.

**FREE** Bulletin shows complete line of Poultry Houses, also Nests, Roosts, Gates, etc. Write.

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20 x 20 ft. Combination Brooder and Laying House. $175.00. Freight Prepaid to nearby States. Capacity: 700 Chicks (Two Broods) or 120-140 Pullets.

*for results—*
**CAL-CAR GRIT**

• Increases production—improves egg quality—assures uniform shell texture, better health and hatchability. Limestone grit is recommended by experimental stations for calcium, vital to layers. Cal-Car is soluble, rich in calcium carbonate.

**CAL-CAR MINERAL MIX**

• A combination of minerals necessary for proper bone, flesh, blood, and feather development. Aids digestion and assimilation.

Send for FREE SAMPLES and literature.

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It's *Emblem-Protected* PIC

Free literature, prices, etc., on request.

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**MAKE MONEY RAISING BROILERS PULLETS AND STARTED CHICKS**

—Can be done with BROWER'S BATTERY BROODERS. Low Feed Prices, Good Chicks and proper care. Market Broilers in 8 to 10 weeks. Little money starts you. Small Down Payment. Write for BROWER'S Poultry Supply Catalog and Guide. 100 pages, 400 pictures, which explains the broiler business. Also describes BROWER'S Big Line of Battery Brooders and Poultry Equipment at low prices.

BROWER MFG. CO., BOX 3919, QUINCY, ILL.



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GET *Jim Brown's* PRICES on FENCING CLOTHING ROOFING PAINTS BABY CHICKS—and Many Other Farm and Home Needs

Save money as 1,500,000 others do. Get my 50th Anniversary Bargain Book. It's FREE. Quotes FREIGHT PAID and POSTAGE PAID prices. Don't miss this book! Write NOW!

JIM BROWN, Dept. 4750, Cleveland, O., Memphis, Tenn.


## *Through the Editor's Specs*

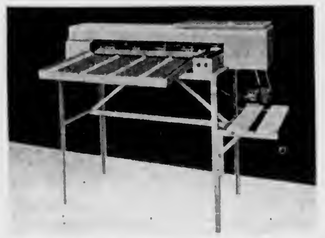
[Continued from page 3]

be a living "Standard of Perfection," with a male and female of every breed and variety in the American Standard of Perfection. Then there will be the exhibits of the feed and equipment concerns, public utilities, incubator firms, transportation companies and other organizations identified with the poultry industry.

6. **Hall of Nations and States.** Ten foreign nations have indicated that they will have exhibits. Most states will have exhibits.

7. **Hall of Live Poultry.** Something like 8,000 birds are expected for the competitive show, and another 2,000 for the international show. A. P. A. judges last year volunteered to do the judging.

Individual memberships in the Congress are $1.00 each. The holder of such a membership is entitled to enter the Congress halls and meetings during the entire period of the event without any additional admission cost. If you have not become a Congress member, do so now. Everybodys Poultry Magazine will be glad to receive your remittance and pass it on to the Congress headquarters.



Here's the new "Egomatic" candler and egg grader, manufactured by Otto Niederer Sons, Dept. E, Titusville, N. J. Completely automatic for candling eggs and speedily grading them by accurate, uniform weight, the Standard model, pictured above, has a capacity up to SIX cases per hour. Another model handles 10 to 12 cases an hour. The automatic scales and all other working parts of the Egomatic are protected from dirt and possible damage by a heavy metal hood running the full length of the machine.


**LAST CALL ON EARLY-ORDER SAVINGS**
**ACT NOW—** *To Secure the Usual* FEBRUARY DISCOUNT

**WENE EXTRA-PROFIT CHICKS**

ELMER H. WENE
Founder and Owner of Wene Chick Farms
Nationally Known for Work in Behalf of Poultry Industry

**WENE** offers you another real money-saving opportunity—the usual February Discounts on Advance Bookings, for Immediate or Future Deliveries. These savings mean substantial reductions from regular prices, already low for such outstanding quality.

This is a golden opportunity to procure for yourself at less than regular cost, the WENE EXTRA PROFITS from Broilers, Roasters and Fancy-Grade Eggs selling at premium prices. WENE Chicks are your introduction to quicker, bigger profits . . . a fatter bank account.

**200,000 Blood-Tested Breeders — 1,500,000 Eggs at a Setting**

Our enormous capacity enables us to supply Chicks from Nine Straight Breeds and Four Wene Crosses, bred precisely to your needs: Meat-bred Chicks that make quick growth, develop early and finish off as the choicest dressed birds that are offered to the exacting hotel and family trade. Egg-Bred Chicks with a heritage of stamina, livability and longevity that mature early into layers of large eggs in heavy volume . . . Let WENE help you to be ready for America's Greatest Poultry Year—1939!

**R.O.P. Sired White Leghorn HEN Chicks**

WENE started in the chick-producing business 18 years ago as a Leghorn specialist, we are now one of the largest producers of Leghorn HEN Chicks in the East. "Our Super-X Leghorn Chicks are still going strong at seven weeks, with Super-X written all over them. Not a single sign of any B W D."—L. Smith, Lyndhurst, N. J. "My flock of WENE Super Mating Leghorns averages around 200 eggs per year."—Newell Ferry, Baldwin, L. I.

We have 50,000 Leghorn HEN breeders mated with sons and grandsons of dams with records of 200 to 300 eggs or more, averaging 24 to 30 oz to the doz. The eggs we set from these Matings average 25 to 28 oz. to the doz., with chalk-white shells. 12,000 State Certified HEN breeders, the largest State-Certified Leghorn flock in New Jersey twice blood-tested, including New Jersey Official Test for Pullorum.

**SEXING SERVICE** Baby Pullets and Cockerels GUARANTEED 95% true to Sex

**WENE LEADERSHIP** The Result of 19 Years' of Continuous Growth
One of the world's Largest Baby Chick Producers— Over 5,000,000 Annually
PIONEER PRODUCER OF CROSSBRED CHICKS

**WENEcross HYBRIDS**

**WENEcross BARRED RED-ROCKS**—Both cockerels and pullets become neatly BARRED. Grow faster than straight breeds, feather evenly and finish well. Preferred for live broilers and roasters. The pullets make excellent layers.

**WENEcross LEGHORN-MINORCAS**—Make excellent white broilers and layers of large chalk-white eggs.

**WENEcross "Sex-Link" RED-ROCKS**—Your choice of sex—95% cockerels or 95% pullets guaranteed. Cockerels make top-notch BARRED broilers and roasters. Pullets become blackish red, wonderful layers.

**WENEcross BRAM-ROCKS**—The heavy roaster cross developed for South Jersey specialists. Now widely popular.

**WENE'S WYAN-ROCKS***

WENE developed this special blend to meet the requirements of Jersey broiler raisers for a superior white broiler. Now we sell nearly 1,000,000 yearly for 3-way Profit. (1) White feathered, yellow skinned broilers. (2) 4 to 6-lb. light roasters. (3) layers of big, brown eggs. This unique blend can be obtained only from Wene Chick Farms.

You get quicker growth at less cost—gain 10 to 15 days on 2½-lb. broilers, even more on 4-lb. roasters. And you get better finish, deeper breast meat, smoother carcasses. Dress the pullets or keep them for layers. They mature early and shell out nice, large eggs. Just what you need to get those EXTRA Profits.

* Name U. S. Copyrighted by Wene

**WENE'S HEAVY BREEDS**

*Backed by 13 years of culling, blood-testing and mating. Bred for both meat and eggs.*

NEW HAMPSHIRES—The ONLY New Hampshire State Certified flock in New Jersey, also 15,000 Official State Tested Breeders in New England. Unsurpassed quality at moderate prices.

RHODE ISLAND REDS—The largest State Certified R.I. Red flock in New Jersey. Our pen at Storrs scored 3,333 eggs, 3,352 points.

BARRED ROCKS — WHITE ROCKS
WHITE WYANDOTTES — WHITE or BLACK GIANTS

**WENE PREDICTS** — A banner year in poultry profits . . . with egg prices holding and feed prices down, giving the most favorable egg-feed ratio in recent years. Get started right . . . with Wene Chicks! And remember, there's an EXTRA saving in those February Discounts. Send today for our big free Catalog, Price List and February Discount Offer.

HATCHES EVERY WEEK OF THE YEAR

**SAVE $** MAIL THE COUPON NOW FOR THE NEW 1939 FREE CATALOG

**WENE CHICK FARMS**
DEPT. 129-B VINELAND, N. J.

Yes! I would be interested in your FREE CATALOG and money-saving EARLY-ORDER DISCOUNTS

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FREE BOOKLET

**FIRST 6 WEEKS ARE VITAL**

Once a chick's growth is stunted, it's too late to change. Once a runt, always a runt. That's why your starting and growing feeds are so important.

Protect your chick investment. Make sure your chicks get everything needed to grow big, sturdy bodies. Feed either TI-O-GA Chick Feed: *Chicatine* for those desiring mash and grain feeding . . . TI-O-GA *Starter and Grower* for all-mash feeders. Each is built to promote rapid, healthy growth, strong bones and bodies. Each contains *Colloidaltine*, the important combination of 20 minerals in colloidal form.

Remember . . . the first six weeks are vital to your future egg profits. See your TI-O-GA dealer today, and send for full facts now.

*Chicatine* THE QUICK DEVELOPER *and* TI-O-GA STARTER *and* GROWER

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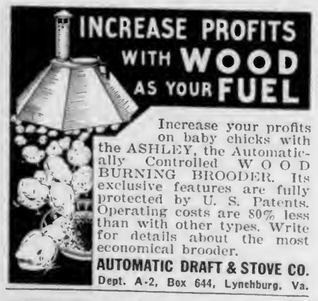

**INCREASE PROFITS WITH WOOD AS YOUR FUEL**

Increase your profits on baby chicks with the ASHLEY, the Automatically Controlled WOOD BURNING BROODER. Its exclusive features are fully protected by U. S. Patents. Operating costs are 80% less than with other types. Write for details about the most economical brooder.

**AUTOMATIC DRAFT & STOVE CO.**
Dept. A-2, Box 644, Lynchburg, Va.



**POORMAN FEATHER BROODER AND BATTERIES**

Operate in 70°. Eliminates disease of 90°. **100,000 used by Govt. Insts.**, Hatcheries, Chicken, Turkey Farms

**SAVE TO 50%** by making brooder, table, storage, brooder, laying battery frames; **buying only** Feather Boards and Feeders. **Write for free plans, rations, inst. literature.** **John G. Poorman, Box 11, Tinley Park, Ill.**

At it since 1898

## Facts About Crossbreds

Do crossbreds grow as fast as their parents did? Will crossbreds feather out satisfactorily? Is mortality as high among crossbreds as among purebred chicks? These and many more questions are answered in Brieflet B-51, "Facts About Crossbreds," which you can obtain by sending a 3-cent stamp to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

## Banding the Breeders

"Poultrymen eager to improve the laying ability of their flocks without the use of trapnests can do so by following a system of banding, commonly known as the red, white, and blue system," suggests J. C. Taylor, associate extension poultryman of New Jersey.

"When pullets are housed in the fall, those that show evidence of laying by having a bright red comb, width between the pubic bones and softness in the abdomen should get the red band.

Intensity or rate of production can be told in January or February, when all birds showing the loss of yellow color in beaks and shanks should get white bands. Blue bands go to the birds showing continual production in late August and September, denoting persistency.

By choosing the breeders from these birds that have the red, white, and blue leg bands, the poultryman can improve his flock without the use of trapnesting."

## Prevent Fishy Flavor

Both fish meal and cod liver oil, which are so important in the diet of poultry previous to the fattening period, should be cut out at least two or three weeks before the birds are marketed in order to prevent a fishy taste and odor in the meat, according to poultry nutrition specialists of the U. S. Bureau of Animal Industry. It was found that the combination of fish meal and cod liver oil is much more likely to impart the undesirable odor and taste in the meat than either of them fed alone.

## Winter Repair Jobs

Winter months provide many opportunities for building and repairing range shelters, feeders or hoppers, and water fountains. Now is the time to get them ready for use. You won't have much time along late in the spring when your birds are ready for range.

**DICKELMAN** *Corrugated* Metal BROODER HOUSES

**STOP *Baby Chick* LOSSES!**

By brooding your chicks under proper housing conditions. Only metal can give you the exact conditions you need . . . *but there is a big difference in metal houses.* Every Dickelman Corrugated Metal Brooder House is actually air-conditioned for health and comfort. **Exclusive 3-Way Controlled Ventilation! No Crowding! No Piling! No Moisture! No Sweating! Rat Proof! Fire Proof! Built to Endure! 21 times stronger than plain metal!**

*Combination Brooder House and Laying House.*

Write for catalog and terms. Prices right.

THE DICKELMAN MFG. CO. BOX 120 • FOREST, OHIO

**CHICK BUYERS**

CHICKS hatched in ROBBINS Incubators never have to be helped out of the shell. Due to perfect incubating conditions, they are normally hatched—at the normal time—no early ones and no late ones. Robbins hatched chicks live and grow, and earn YOU more profits. They are better than the best chicks you can hatch at home. Write for list of Robbins equipped hatcheries near you.

**Robbins Incubator Co., Denver, Colo.**
Incubators of 8,800 Capacity and up.

*Robbins* hatched chix *are better* chix
"PULLING STRONG FOR ROBBINS"



**WARNER ELECTRIC BROODERS**

Save HALF usual fuel cost. Brood in a WARNER Electric. Genuine CHROMALAX heaters and Chromium reflectors bathe chicks naturally with INFRA-RED-RAYS and abundant draftless warmth! No wonder chicks and poults grow fast and uniformly, feather extra well, live and pay when brooded in WARNERS. Merit proven by over 15,000 in use on farms, broiler plants, hatcheries. Seven years experience. No experiment! All popular sizes. Send postal for free folder and prices or ask your dealer. THE NATIONAL IDEAL CO., 914E Summit St., Toledo, Ohio.

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**New "JIFFY" WING BAND**

National's New Patented Self-Piercing, Self-Sealing Wing Band. Quickly put on in one operation with special applicator. Secure Tamper-Proof Seal. For day-old chicks or grown birds. Life-time identification. Does not require changing. Postpaid Prices—Numbered: 100-$1.00; 300-$2.75; 500-$4.25; 1000-$7.50; 2000-$14.00. Pliers—$.50 each. Send today for Free Samples and No. 37 Catalog. NATIONAL BAND & TAG CO., Dept. 1-606, Newport, Kentucky.




## Flock Size Is Largest Early in the Year

During January and February the number of hens and pullets on the farm is the greatest, according to the figures of about 900 Ohio farm flock owners. The 1931-1935 average for January and February showed 117 birds each month in the flocks. This number dropped during the following months until there were only 83 hens and pullets in the flocks during September.

April, May and June were the three best months from the standpoint of production of eggs. The 1931-1935 average showed a production of 53.8 per cent during April, 59.5 per cent during May, and 53.4 per cent during June.

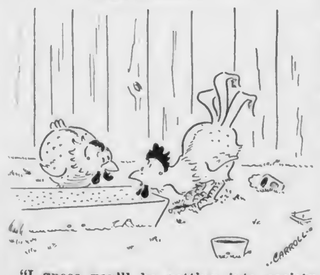
## Avoiding Dirty Eggs

Dirty eggs represent lost profits, for dirty eggs, no matter how fresh, will not sell at the price given for clean eggs. The following suggestions may help you in reducing your number of dirty eggs:

1. Allow at least 4 square feet of floor space per bird of heavy breeds, and 3½ square feet of floor space per bird of light breeds.
2. Keep litter dry.
3. Keep nesting material clean.
4. Confine birds at least until 1 p.m. if ground outside is wet and muddy.
5. Gather eggs three, four, or even more times a day if necessary.
6. Keep droppings boards and pits covered with wire netting.
7. Use gypsum troughs in front of nest boxes.

## Weighing Your Eggs

If you are weighing your eggs on small egg scales, check them over regularly to see that they are weighing your eggs according to standard. Dust and dirt will change the reading on them and will make them less accurate. Dropping affects them detrimentally also, for any bent part causes friction which slows up or holds back altogether the moving parts. It is wise to have an object of definitely known weight, absolutely perfect, to check the scales often. You may be cheating yourself out of a few dollars a month.



"I guess you'll be getting into society soon. I heard the Boss say he'd like to have you for dinner tomorrow."

**Ohio U.S. Certified WAYNE HIGH PRODUCTION BRED LEGHORNS**

**Every Chick Sired by an R.O.P. Pedigreed Male that is the son of a trapnested High Egg Record Dam**

There are many reasons why you'll want Wayne Leghorns in 1939 • 12 years under Ohio R.O.P. Supervision • All birds officially culled, legbanded, and bloodtested by approved agents • No guesswork — breeders trapnested and selected for large egg size, steady winter egg production • Every chick sired by high record R. O. P. pedigreed male.

**Customer Averaged 204.3 Eggs per Year Over 10 year Period**

". . . We enclose production records for the past 10 years on pullets raised from 1000 Wayne chicks bought yearly. Our average was 204.3 eggs per year over the 10 year period. . ." — Halfred Farms, Chagrin Falls, O.

**WE USE BIG EGGS to Hatch Your Chicks**

All of our Ohio U. S. Certified Chicks are hatched from eggs averaging over 24 ounces to the dozen. They are carefully selected for shape, color and shell texture. Don't take chances with inferior quality! Send your order in today for Wayne Baby Chicks and watch your profits grow!

**WHO PAYS THEIR BOARD?**

Wayne Chicks pay their own board! Yes—it costs us more to breed and maintain WAYNE quality, but these sturdy Ohio U. S. Certified Chicks are BETTER BRED. Customers everywhere report they are easier to raise and turn in nice fat profits each year.

**SURPRISINGLY LOW IN COST**

Try to equal WAYNE breeding at our price! Folks tell us it just can't be done. One reason we are able to offer so much value for so little money is that we own and personally manage our breeding farm. Write for free catalog and prices. Don't buy ANY chicks until you see WAYNE values.

**SEXED CHICKS:** We can supply sexed chicks from any of our matings. Sexed 95% accurate.

**WAYNE POULTRY FARMS** W. J. BUSS Box 126 **Wooster, Ohio**



**ATZ'S FAMOUS CHIX** Mrs. Atz Guarantees You That When Better Chix are Hatched, ATZ'S Will Hatch Them

Mrs. Atz

**Flocks Bloodtested for B.W.D. and Typhoid fall of 1938, the most dreaded disease in baby chicks.**

When Mrs. Atz was 11 years old she operated one incubator of 270 eggs, which hatched 240 fluffy Barred Rock Chix. All her neighbors marveled at this success. Our output now of 200,000 chix weekly should enable you to get service.

We hatch all Popular Varieties.

We Specialize in Sexing. Our Sexers are very Competent.

We urge you positively to get our beautifully illustrated catalogue in colors before buying.

Thousands of repeated orders tell us our prices, quality and Honesty are much favored.

Pullets delivered after March 1st will be $3 per 100 higher.

**ATZ'S MAMMOTH HATCHERIES, Dept., 10, HUNTINGBURG, INDIANA**



**RUPP'S CHICKS** LIVE LAY PAY

**RUPP'S CHICKS PRODUCE!**

**6687 DOZ. EGGS IN 21 WEEKS**
*"My flock of 1000 pullets hatched Feb. 5, 1938 started laying in 5 months and produced 6687 doz. nice large eggs in 21 weeks which brought $1921.50."*—Paul Borton (Ohio)

OHIO APPROVED CHICKS

**R. O. P. MALE BREEDERS**

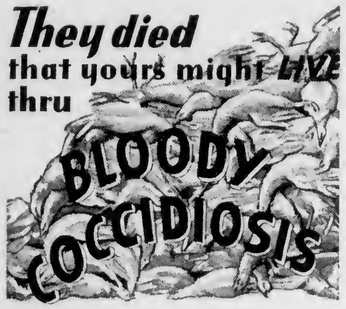
500 R. O. P. Pedigreed Male Breeders are being used this year. Dam's records to 316 eggs. Flock records, 212 eggs. 80% production reports. Sexed Leghorns. Rock and Red chicks, poults and duckliogs. 20 years in business. *FREE*—complete story of Live-Lay-Pay chicks. Send for it today.

**RUPP BROTHERS, ARCHBOLD HATCHERY, Box E, ARCHBOLD, OHIO**



**Poultry House Blue Print Plans**

Includes actual blue print plans for one brooder house and five different successful types of laying houses. Also tells how to construct moisture-proof floors, how to correct poor ventilation, etc. Price, 25 cents. Everybodys Poultry Mag., Hanover, Pa.




Pratts C-Ka-Gene works by NEW Immunity METHOD . . . STOPS HEAVY LOSSES

Bloody Coccidiosis? No longer need you fear its red death will slaughter your chicks. Thousands of chicks killed in the Pratt laboratories have shown science how to easily avoid those awful losses.

Pratts C-Ka-Gene, . . . a new feed ingredient that stops heavy losses by the new IMMUNITY (permanent protection method) . . . was discovered! !

C-Ka-Gene is not a "cure," . . . not a "preventive." It is fed before and while outbreaks are likely. If germs are present, it permits chicks to get a MILD, HARMLESS case. Often careful laboratory examination is needed to prove the disease ever occurred. There are few, if any, deaths and GOOD GROWTH IS MAINTAINED! !

After this light attack is over, birds are IMMUNE, . . . permanently protected from Bloody Coccidiosis, . . . for life.

There is no flushing. No spraying of litter! ! C-Ka-Gene is EFFECTIVE! !

Last year, 6,000,000 chicks were successfully protected with Pratts C-Ka-Gene. This year, let it protect yours, too!

If dealer cannot supply, check size wanted, enclose money order with your name and address and send to:—

Pratt Food Co., Dept. 114, Phila., Pa.

| | East of Colo. | West of Colo. |
|---|---|---|
| ☐ 50 Chick Size | $ .75 | $ .80 |
| ☐ 100 Chick Size | 1 25 | 1.35 |
| ☐ 250 Chick Size | 2.75 | 3 00 |
| ☐ 500 Chick Size | 5.00 | 5.50 |
| ☐ 1000 Chick Size | 9.50 | 10.00 |
| ☐ 3000 Chick Size | 25.00 | 27.00 |

Prices are "delivered" anywhere in U. S. A.

Pratts C-Ka-Gene
Saves Flushing-Spraying-Litter-Labor-Chicks-Money

BIG PROFIT POSSIBILITIES
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$33 Starts this Big Money Making 100 a Week Broiler Plant to You. Operates with Oil, Gas, Electricity. Equipped with necessary Humidifier. Permanent Incomes proved by many years successful operation. Big Cities—Country Towns. Fine Battery Brollers always in demand. Many make a big success.

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for chickens, broilers, turkeys, etc., and the latest in brooding and finishing batteries. Also folding coops and other poultry supplies. Send for catalog.
R. C. AYLOR, Mfr., Box E, Brightwood, Va.


Classified Ads on Page 49

# Crossbred Chicks

*Characteristics of Some Popular Crosses*

## Red-Rocks (sex-linked)

R. I. Red Males X Barred Rock Females

**Chick Down Color:**

Cockerels — black with white dot on forehead; Pullets — all black, tinged with bronze.

**Adult Plumage:**

Cockerels — very similar to Barred; Pullets—black with tinges of bronze.

**Purpose or Utility Value:**

The pullets are wonderful egg producers and the laying flock makes a beautiful appearance. The cockerels are excellent for broilers and roasters.

## Red-Rocks Barred

Barred Rock Males X R. I. Red Females

**Chick Down Color:**

Similar to Barred with a reddish tinge at the neck.

**Adult Plumage:**

Similar to Barred, but not quite so dark. The bars are not quite so clearly defined on the pullets as on the cockerels.

**Purpose or Utility Value:**

Much the same as the Wyan-Rock. Raised for the dark feathered broiler and cockerel market instead of the white. Matures more quickly than the straight barred.

## Wyan-Rocks

Wh. Wyan. X Wh. Rock

**Chick Down Color:**

Like White Rocks, all white or smoky.

**Adult Plumage:**

All white.

**Purpose or Utility Value:**

A 3-way bird, rapid growing and husky. Bred for egg production as well as for broilers and medium roasters. Matures about a week to 10 days more quickly than the straight run.

## Leghorn-Minorcas

Black Minorca Male X Wh. Leghorn Female

**Chick Down Color:**

White with black spots.

**Adult Plumage:**

White, speckled with black.

**Purpose or Utility Value:**

Seems to have inherited best qualities of both parents. Lays large chalk white eggs, and is a heavy producer. The birds are larger at maturity than the Leghorn and the meat is a little more tender.

EPM Photos made with the cooperation of Wene Chick Farms



# World's Poultry Congress News

**British Government Makes Appropriation**—The British Government, which had declared it could not contribute toward the British exhibit at the World's Poultry Congress, has revised its decision and will provide 600 pounds, approximately $3,000.

• • •

**Mayor H. H. Burton** of Cleveland, Ohio, has been barnstorming throughout northeastern Ohio at evening meetings for the World's Poultry Congress.

• • •

**Kansas and Nebraska Ask for Congress Money**—An appropriation bill asking for $7,500 for Kansas' participation in the World's Poultry Congress was ready to present to Kansas legislature when it convened in January. Nebraska State Farm Bureau Federation also had taken steps to prepare a bill for $5,000 for Nebraska Congress activities, for presentation in Nebraska legislature.

• • •

**Forty Germans Make Reservations** — W. D. Termohlen, secretary general of the Poultry Congress, reports that 40 Germans have made actual reservations with the American Railway Express for trips to Cleveland, Ohio.

• • •

**West Virginia Applies for Exhibit Space**—At a recent West Virginia Poultry Congress meeting, J. B. McLaughlin, state commissioner of agriculture, authorized the Congress membership committee to apply for exhibit space and "send the bill to his department," which will contribute $500 for West Virginia Congress activities.

• • •

**Railroads Offer Special Rates**—The Central Passenger-Trunk Line Association, meeting on November 21, 1938, decided to offer excursion rates to Cleveland during the World's Poultry Congress, on a basis of 1 cent a mile in each direction, with a minimum of 300 adult fares, for tickets having a limit of 24 hours, and a fare of one and one-tenth cents a mile in each direction for tickets bearing a limit of 48 hours.

• • •

**Geauga County, Ohio, Stages Contest**—Geauga County, Ohio, is stimulating interest in the World's Poultry Congress by offering a $5 prize for the best recipe combining maple syrup and eggs or poultry. This county, the home of the maple syrup festival which annually attracts 125,000 people to Chardon, Ohio, plans to have a booth at the Congress.

• • •

**Ohio Makes Plans for its Youths**—The Ohio State Congress Committee has announced that it intends to have boys and girls club members in the various counties attend the Congress in a body. As many as 800 youths will come from some of the counties. Special trains and buses will be chartered to take them to Cleveland and return them to their homes the evening of the same day.

Don't make YOUR CHICKS thumb their Way

Don't ask your chicks to "hitch-hike" their way to maturity—with deficient, haphazard rations. Do all you can to be *sure* they get there. Make the most of their inherited ability—give them all the nutrients they need for health, growth and full development—raise them the proved Larro way:

Start them on LARRO CHICK BUILDER the combined Starting and Growing Mash and feed it the FIRST 12 WEEKS. Then change to LARRO EGG MASH to complete their development and feed it all the rest of their lives. Grains are hand-fed for 12 weeks only—then hopper-fed to maturity.

Only two mashes instead of three. It's simple, labor saving and economical. Only *one change* of mash—and no tapering off. These high quality mashes are so well geared—one to the other—that they can cause no shock to the birds, no interruption of the growth process.

The Larro Pullet Raising Plan is the result of 15 years of testing and proving at Larro Research Farm. Hundreds of rations have been tried there—and these two topped them all—produced the best all-round results in health, growth, eggs and profit.

LARROWE MILLING COMPANY
(TRADE NAME)
Division of General Mills, Inc.
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★ *Write today for your free copy of the Larro Chick Book—and tell your dealer when you will be ready to start your chicks on LARRO CHICK BUILDER.*

**CHICKS THAT LIVE**
**pay the profits**

**VITAMIN FOLDER** *tells why*

Out of the shell . . . and ready to start life! Will they *pay?* They will . . . if they live, grow and produce. Their future depends largely on you. And your future profits depend on them.

Their chances to live, grow and produce will increase with proper care and good feed. And *good* feed means well-balanced nutrients which include sufficient vitamins A and D.

Start your chicks on good mashes containing Exadol*. . . a rich, reliable source of vitamins A and D. Exadol helps every step of the way toward good production. Feeds containing Exadol carry the special Squibb Water-Marked Safety Formula Tag. Look for it when you buy! Send a postcard for free Vitamin Feeding Folder.

FREE NEW FEEDING BOOKLET

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**GERMOZONE**
FOR
**CROP and COMMON BOWEL TROUBLES**

Chicks are always picking on floor and in droppings. No wonder so many get sick. Do as thousands do. Put GERMOZONE in the drinking water. GERMOZONE works *in the crop and intestine*, as well as in the drink. That's why it's so valuable as a medicine *and preventive* for many bowel troubles. 12-oz., 75c. At Lee Dealers; or postpaid. In case of Coccidiosis give your birds the benefit of ACIDOX. Put in the drinking water, like Germozone. Inexpensive.

**FREE**—illustrated—"Lee Way Poultry Book"—64 pg. Tells about prevention and treatment of chick diseases. Ask dealer or write for your copy.

GEO. H. LEE CO.
12 Lee Bldg., Omaha, Nebr.



For HEALTH and LIVABILITY
**CARATONE**
LOW COST VITAMIN A
NOW IN POWDER FORM
WRITE FOR FULL INFORMATION
EFF LABORATORIES, Inc. Dept. 14-A Cleveland, O.

**1,150** Egg Capacity **$125**
**LINCOLN INCUBATORS**
*Are Great Performers*
Other capacities available include: 1,600, 2,000, 2,500, 3,750, 5,350 and 10,000. Send for catalog. Why pay more than our machines cost.
LINCOLN MFG. CO.
Box E, New Brunswick, New Jersey

*Separate Sexes*

Better growth as a result of less crowding is the principle reason why it pays to separate the cockerels and pullets as early as possible. Learn how it is done by sending 6 cents in stamps to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., asking for a copy of Brieflet BG-70, "How to Separate Pullets and Cockerels Early."


## *This Month With Your Flock*

[Continued from page 2]

morning is the best time for this job. Use a brush with good, stiff bristles. Flush out well with a good disinfectant solution after scrubbing.

### Don't Scare Your Chicks

Work quietly around your chicks. It is not a bad idea to whistle or sing softly or talk to the birds, but any sudden noise is likely to send them flying into a corner where they pile up and can easily smother. Your chicks, as well as your layers, will respond to careful treatment.

### Use Plenty of Litter

A good layer of absorbent litter on the floor of both the brooder house and the laying house is a wise investment. Deep litter helps to keep the house warmer and drier, stays clean longer, encourages birds to do more scratching and exercising. Stirring the litter daily during the winter helps to keep it dry.

### Keep Tab on Body Weights

Maximum body weight usually occurs about 10 or 12 months after hatching. Your pullets should increase or maintain their body weight to keep up satisfactory production. Check body weights regularly.

## Be Careful With Feed Bags

Few folks realize the hazard of used feed bags as a possible carrier of poultry diseases. Be sure your bags are clean before taking them into a pen. Never leave empty or partly empty bags in a pen where the birds can run over them.

**Bantam Record Book**—For the back-lot breeder who wants to keep a record of income and sales, exhibitions, matings, hatching results, addresses, toe-punch markings, etc. Size, 8½ by 5 in. Price, $1.00, postpaid. Everybodys Poultry Magazine, Hanover, Pa.


**Plain Horse Sense**

shrieks CAMPBELL'S Calcite Grit

- Tests PROVE it grinds thoroughly.
- Provides supplemental calcium, manganese and other minerals.
- Cuts grit costs right in half.
- Produces premium egg shells

*Why not write for PROOF, now?*

Harry T. Campbell Sons' Co.
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New Laying House. 6000 Birds.

WRITE FOR FREE COPY OF
**"HIDDEN PROFITS"**
IN STEELMAN'S

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**12 MONTHS INCOME PLAN**

**Our Pioneer Strain of New Hampshires** averaged over 284 Eggs at Sinrr's Contest—Records up to 315 Eggs. Customer reports our Leghorns averaged 231 Eggs. Profit $2.68 per bird.

**We offer All Popular Breeds.** Chicks sexed or Unsexed—Agents Chick Selling Plan. Finance Plan. Bicycle Plan for Boys and Girls. All explained in Beautiful Illustrated Catalog. **New Low Prices—Chicks 8¾¢ to 13½¢ Each. Write**

STEELMAN POULTRY FARMS
BOX 4422, LANSDALE, PENNA.



**Rosemont Chicks**

**Always — Full Value Plus a Square Deal**
Honesty as rugged as our famous Rosemont Chicks assures a square deal for every customer. Our 27 years' Experience enables us to breed and hatch Chicks that succeed. Learn more about them before ordering.
Blood-Tested-Production—Bred-Popular Breeds
WHITE LEGHORNS RHODE ISLAND REDS
NEW HAMPSHIRES WHITE ROCKS
BARRED ROCKS BLACK GIANTS
Write for free Folder. Price List and generous Early Order Discount.
ROSEMONT POULTRY FARMS, Inc.
Drawer 6, ROSEMONT, Hunterdon Co., N. J.



BETTER ...EGG PRICES!

Eggs show up large, inviting when packed in SELF-LOCKING Cushion Cartons. Cushioned protection eliminates breakage. Ventilation safeguards flavor. Colorfully printed with your brand name.
Send for free samples.

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**QUALITY CHICKS**

| | 100 |
|---|---|
| White Leghorns | $6.50 |
| AA Grade Wh. Leghorns | 7.75 |
| New Hamps. & R.I.Reds | 7.25 |
| Barred, Wh. & Buff Rocks, Wh. Wyan. | 7.25 |
| Heavy Mixed | 6.50 |
| AA Legh. Pullets $13-100; Cockerels | $2.50 |

Plum Creek Poultry Farm & Hatchery, Sunbury, Pa.




# More Poultry at Farm Show

By Thomas E. Moncrief

Poultrymen attending the Pennsylvania Farm Show in Harrisburg, January 16 through 20, saw one of the biggest and best displays of live and dressed poultry, baby chicks, eggs, livestock, other agricultural products and commercial exhibits ever assembled. Housed in a 10-acre exposition building and in an arena building just constructed, this is the largest indoor farm products show in the United States, and occupies the largest building of its kind in the world.

The new Farm Show Arena has the outside dimensions of 240 feet by 348 feet, with a wing 48 feet by 172 feet. It covers a ground area of 91,000 square feet. The arena floor is 120 feet wide and 240 feet long, and is larger than that of Madison Square Garden in New York City. The building has been constructed at a cost of approximately $1,200,000.

### Record Poultry Show

The Pennsylvania Poultry Show had approximately 4,500 entries of live birds, almost 2,000 more than last year's show had. Best male bird in the show was a Single Comb Black Minorca entered by Mordele Farm, R. D. 1, Riegelsville, Pa. George W. Rex, Slatedale, Pa., won the honor of having best female in the show with his Single Comb Buff Leghorn.

Best male and female bantams in the show were Modern Red Pyle Game birds entered by William G. Minich & Son, Carlisle, Pa. Black Cochins showed by George D. Kenyon, Delsaco Bantam Yards, Delta, Pa., were judged the best bantam trio.

Mordele Farm's White Pekin Young Drake was judged the best waterfowl.

### Gantt Dressed Turkeys Win

Gantt Turkey Farm, Newport, Pa., came through for the second consecutive year with the grand champion dressed turkey and also took reserve champion dressed turkey.

### Moore Tops Baby Chick Show

For the second consecutive year, Floyd H. Moore, R. D. 3, Lancaster, Pa., was awarded the gold medal for the three best exhibits of baby chicks shown by one contestant. Two of his winning entries consisted of White Leghorns and the third class was Cross Bred chicks. Silver medals were given to the following: W. J. Burling, Oxford, Pa., for his White Leghorn entry in the Accredited Class; Harold J. Windle, Cochranville, Pa., for his Barred Rock entry in the Supervised Class; Floyd H. Moore, for his White Leghorn entry in the Breeders Class; and Hubbard Farms, Lancaster, Pa., for their Cross Bred entry in the Hatchery Class.

### Egg Show Expands

A total of 930 dozen eggs comprised the Egg Show, one of the largest ever held at the Pennsylvania Farm Show. Gold medals were awarded to the following for


**"My Customers Make REAL PROFITS — SO CAN YOU!"**

K. R. Phillips, Prop.

My customers are successful. They get lots of large eggs because egg laying is bred into Fairport chicks. Customers report egg production above their expectations (60 to 70% production all winter), and mortality lower than anticipated (½ of 1% and less) also report Leghorn FLOCK averages of *175 to over 200 eggs per bird.* Our own foundation flock of 1400 Leghorns averages from *230 to 235 eggs per bird* in pullet year and 175 eggs in their second year.

**HIGH PRODUCTION BREEDING**

Our breeders come directly from high production ancestry; one group with records of **225 to 306 eggs**, another with records of **290 to 312 eggs.** This means that our customers are getting a clear profit over feed costs of from 7 to 10 dozen eggs per bird per year. The result is satisfied successful customers and "boosters." Fairport stock plus good care are sure to produce profits.

**Guarantee Protects You!**

Every chick we sell—every egg we use — comes from our own breeders developed at our Master Breeding Farm. Nothing is left to chance. I personally inspect every chick that goes out. I personally bloodtest every one of our 13,000 breeders—Not a trace of B.W.D. or Pullorum is found in any breeder we use. I guarantee chick livability for 14 days and will replace at one-half price all losses except accidents, during that time.

**How Can You Lose?**

Don't hesitate one moment in doubt about Fairport Quality. How can you lose, with our 14 Day Guarantee and the year after year success of our customers? How should your success differ from theirs? Get our catalog first — read it — get the amazing facts—read about the profits others are making. Don't take chances any longer with inferior stock. Start right with Fairport this year—you'll never regret it.

**8 LEADING BREEDS**

**WHITE LEGHORNS**
Breeders sired by R.O.P. males. Extra profitable flock averages.

**NEW HAMPSHIRES**
Pedigreed breeder parentage. Wonderful layers, or broilers—great vigor.

**BARRED ROCKS**
Pullets lay at 5 mos. Large eggs and bodies. Fine barring.

WHITE ROCKS — WHITE WYANDOTTES — GIANTS
MINORCAS — BUFF ORPS.
N. H.-ROCK CROSSBREDS.

10-DAY OLD **Started Chicks**
Brooded or "processed" in Hawkins Million $ Hen equipment. Splendidly started. You'll be highly pleased with these.

**SEXED CHICKS**
Expert sexing — all breeds.

**FREE CATALOG — HONEST BOOK OF FACTS**

Free catalog includes 27 actual photographs. It is an honest Book of Facts. Your copy is ready. Write today.

**FAIRPORT HATCHERY & POULTRY FARM, Box 80, Fairport, New York**



**HEIZER'S "CHICKS of Distinction"** 90% SEX GUARANTEE

**OUR QUALITY CHICKS**

**Won $112.50 2nd prize in American Poultry Journal 1938 chick growing contest. Plan to buy your chicks from Heizer's in 1939**

Mr. George Rice bought 166 chicks from us. Raised all of them. Average weight when 10 weeks old 2¼ pounds. Our High Quality Chicks along with the excellent care given the chicks enabled Mr. Rice to win 2nd prize in the National Contest. Buy our chicks and let us enter you in the 1939 contest.

R. C. HEIZER

| STANDARD MATING (NON-SEXED) | 50 | 100 | 300 | 500 |
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| Barred, White, Buff Rocks, White & Silver Laced Wyandottes, R. I. Reds, Buff Orpingtons, Buff, Black, White Minorcas, Rhode Island Whites | $4.40 | $7.75 | $22.95 | $37.50 |
| Anconas, Blue Andalusians (three colors), S.C. Buff, Brown, Black & English White Leghorns (large type) | 4.15 | 7.25 | 21.45 | 35.00 |
| Black Australorps, White Giants | 4.90 | 8.75 | 25.95 | 42.50 |
| Heavy Breed Sexed Day-Old Pullets (except Giants & Australorps) | 4.40 | 7.75 | 22.95 | 37.50 |
| Heavy Breed Day-Old Cockerels | 4.75 | 8.50 | 25.20 | 41.25 |
| Ancona & Leghorn Pullets | 6.40 | 11.75 | 34.95 | 57.50 |

AAA Matings $1.00 per 100 chicks higher than above prices.
Heavy Assorted, $6.75. Light Assorted, $5.75. Leghorn or Minorca Cockerels, $4.75. Light Assorted Cockerels, $4.00.
NOTE: PULLET PRICES $3.00 per 100 chicks higher when shipment is made after March 1 regardless of when order is placed.

We guarantee 100% live delivery. Postage Prepaid. Write for 1939 calendar-catalog showing complete prices.

DISCOUNTS ON EARLY ORDERS

**HEIZER'S QUALITY HATCHERY, Dept. S, New Albany, Indiana**

**SEX-ED CHIX $3.95 C. O. D.**
Up per 100 f. o. b.

You'll like Bush's husky Ozark chicks, 95% sexed guarantee, 100% live delivery; pullets, cockerels or unsexed. Prove to your satisfaction why our customers report outstanding results and prize winnings. Accredited blood-tested flocks. Bush's famous White Leghorns. 20 other popular breeds. Extremely low prices, easy terms. WRITE TODAY.

BUSH HATCHERY, Box 212-C Clinton, Mo.

"MORE and BETTER CHICKS with NAVY BRAND"
SAYS H. B. IRWIN

Here's what H. B. Irwin, prominent poultryman of Dewittville, N.Y., has to say about Navy Brand Super-Solid Poultry Milk!

"Dear Sirs:
Enclosed find check for the 5 barrels Navy Brand Super-Solid shipped 10-14-38. We have used your Navy Brand Super-Solid for over twenty years and think better of it each year.
It keeps our poultry in good condition and with good management gets us more eggs during the high priced times. **It helps us to raise more and better young chicks,** and when we want to fatten young cockerels there is nothing like it.
We recommend Navy Brand Super-Solid to all of our friends.
Yours very truly,
(Signed) H. B. Irwin."

Navy Brand will do as much for your flock. START TODAY TO GET THE BENEFIT OF THIS SUPERIOR FOOD. Order from your dealer or direct from factory.

NAVY BRAND Super-Solid
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PREVENT . . . OR CURE?

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*"Efforts should be directed toward prevention"*—(U.S. Dept. of Agric. bulletin No. 1652)

***For Every Stage "from egg to egg"***
—use Whitmoyer field and laboratory tested disease preventives.

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CRESANOL
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**First--Second--Third**
**White Leghorn Baby Chicks. Hatchery Division, at the 1939 Pennsylvania Farm Show**
Locust Grove Chicks made a clean sweep among all White Leghorn entries in the Hatchery Division at Pennsylvania's largest Baby Chick Show in 1939. This marks the fifth time in the last six years that we have topped this class. Hatched from carefully selected eggs, 21 to 30 ounces per doz., produced by bloodtested breeders bred for extra vitality, livability, large size and heavy egg production. Write today for prices.
Locust Grove Leghorns Are Making Good!
Locust Grove Poultry Farm
George R. Worley, Owner
R. D. 4 Hanover, Pa.

*Houck's*
NEW HAMPSHIRES
ROCK CROSS — WH. LEGHORNS
ALL STRAIGHT CHICKS—Write for Price List.
HOUCK'S FARM HATCHERY
31 CENTENNIAL AVE., HANOVER, PA.

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best displays in their classes: Mountainside Leghorn Farm, Liverpool, Pa., best dozen white eggs; Sayers Hatchery, Doylestown, Pa., best dozen brown eggs; Edwin B. Wallis, Liverpool, Pa., best 5-dozen white eggs; Floyd H. Moore, R. D. 3, Lancaster, Pa., best 5-dozen brown eggs.

Silver medals were awarded Robert L. Lobs, Doylestown, Pa., for best dozen in Backyard Class; Charles Worthington, Fountainville, Pa., best dozen in Farmers Class; E. N. Rick, Kintnerville, Pa., best dozen in Commercial Class; Mountainside Leghorn Farm, best dozen in Hatchery Class; Milton Brubaker, Lititz, Pa., best 5-dozen in Farmers Class; Clair Rubendall, Millerstown, Pa., best 5-dozen in Commercial Class; E. B. Wallis, Liverpool, Pa., best 5-dozen in Hatchery Class; Isaac Yates, Newton, Pa., best dozen in 4-H Club; Glenn Herr, R. D. 4, Lancaster, Pa., best dozen in Vocational Class; Bucks County won the banner for the largest and best county display, and West Lampeter Vocational School, Lancaster County, won the school banner for largest and best egg display.

### Association Elects Officers

Mark N. Witmer, Dalmatia, Pa., was re-elected president of the Pennsylvania State Poultry Association at its annual winter meeting at Harrisburg, January 19. Robert R. Parks, Altoona, Pa., was elected secretary, succeeding H. C. Knandel, State College, Pa. George M. Zeiset, Brownstown, Pa., and J. C. McCoy, Jr., Emlenton, Pa., were elected vice-presidents. Frank Ellis, III, Elverson, Pa., and M. D'Alessio, Mars, Pa., were elected directors.

### Klein Talks on Marketing Turkeys

In describing how turkeys are produced and marketed in New England, G. T. Klein, poultry extension specialist, Massachusetts State College, confined most of his talk to turkey breeding, raising and marketing in Massachusetts. He stated that the biggest problems among Massachusetts turkey growers are deciding when the turkeys are ready for market and grading and dressing them. He described in detail the Blue-Label method of tagging and marketing Massachusetts turkeys, and pointed out that the chain stores have been of considerable help to producers in getting premium prices for their birds.

### Charles Discusses Protein Levels

T. B. Charles, head of the poultry department at the University of New Hampshire, gave a progress report of the work done at his station on protein levels for protein and emphasized the importance of poultrymen looking to the quality of the protein in their poultry feeds as well as the quantity.

### Raising Good Young Stock

"If I were asked to judge a poultryman, I would base most of my judgment on whether he could raise good young stock," said H. D. Munroe, of Allied Mills, in giving a few pointers for growing better pullets in 1939. Some of the essentials he emphasized are 1. Avoid crowding; 2. Have a number of broods at different times of the year; 3. Do not overheat chicks; 4. Use a warm and cool room brooding system; 5. Be sure feed contains sufficient roughage or bulky feed.

LUTY HAWKINS
Inventor

Hawkins Million $ Hen

**All-Electric Starting Brooder—**
Not a Battery
Featuring Hawkins Patented Contact Heating Device for Cool - Room Brooding. A better start for your chicks for less cost.

**Broiler Equipment—**
Complete Line
Featuring extra premium prices in raising the famous brand Hawkinized Broilers.

**Laying Cages—**
New Design and Principle
Featuring demountable construction, adjustable floors and new cleaning arrangement — no gadgets.
Get prices before you decide.
Write today — don't delay.

HAWKINS MILLION $ HEN, INC.
BOX E. MOUNT VERNON, ILLINOIS

MATTHEW'S LEGHORNS
PRODUCTION BRED
MATTHEW'S LEGHORNS are bred for big body size, big egg size, heavy production. Headed by males out of 240-331 egg hens.
CHICKS
Matthew's Farm is a Breeding farm, all chicks are hatched from eggs produced on our own farm.
**Contests Prove Quality**
Our official 271.8 eggs per bird for 51 weeks (Penna. laying contest) indicates real profit making quality.
You can make money with MATTHEW'S BRED CHICKS. Write for price list.
Matthew's Leghorn Farm
Route 3, York, Penna.

MOHAWK VALLEY CHICKS
from finest blood-tested breeders. Early Order DISCOUNT
Husky, healthy, dependable money makers. All leading breeds. Also ducklings and turkey poults. 25 lbs. feed offer included with each 100 chicks. Write today for new folder in colors and special low prices.
Mohawk Valley Hatchery
P. O. BOX 1005 SCHENECTADY, N. Y.

CONTENT FARMS
*STILL WINNING*
Latest contest reports show our White Leghorns FIRST pen at Central N. Y.—SECOND at Western N. Y. for November. Same contests for 1938 showed our pens with 100% livability while laying 5359 eggs and 5974 points. Entire flock Pullorum clean, tube tested. If you want profitable flock averages of big eggs, write for our catalog.
CONTENT FARMS, Box E. Cambridge, N. Y.

LAKEVIEW ANTIGEN TESTED CHICKS

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|---|---|
| White and Brown Leghorns, Reds, White and Barred Rocks, Mot. Anconas | $ 9.00 / 100 |
| White and S. L. Wyandottes | 10.00 |
| White or Black Minorcas | 12.00 |
| Brahmas, Black or White Jersey Giants | 13.00 |

STARTED CHICKS, 1 wk., $12-100; 2 wks., $16; PULLETS all ages. We hatch all year around.
LAKEVIEW POULTRY FARM & HATCHERY
Box E, Madison, N. J.

## Slant the Lighting Boards

You may be able to keep the lighting boards at the nests cleaner if you slant them about 10 or 15 degrees. Slanting them more than this, however, may make the hens slip when flying up, causing bumblefoot.

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Dear Editor—Now that hens are becoming mere machines, what do you think of the idea of a gadget, enabling them to box their own eggs?"

"Crate," replied the editor. "Simply—crate!"

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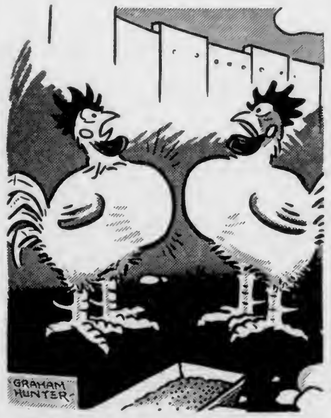


"What's all this I hear about CROP reduction?"

### Gwin Speaks on Marketing

A survey of present conditions and trends in poultry and egg marketing in the East was presented by James M. Gwin, poultry marketing specialist at the University of Maryland. Gwin showed why less live poultry is being marketed each year in New York City and said that it is to the advantage of every poultryman to encourage any group to establish a plant in the East to kill and dress poultry. He referred to the work of Cobel E. Grimes, Fredericksburg, Pa., in selling huge quantities of cut-up poultry as a fine job for encouraging greater poultry meat consumption.

### D'Alessio Wins True and False Quiz

M. D'Alessio, Treesdale Farms, Mars, Pa., won first place in the "True and False Examination" between poultrymen and commercial folks from allied industries. This contest, planned to inject a little fun into the poultry meetings, created a lot of laughs. H. A. Spalding, Canton, Pa., White Leghorn breeder, took second high honors. Allied Mills contributed first prize of $5.00 and second prize of $3.00.

LEARN MORE ABOUT
Susquehanna Strain

SEXED PULLETS or COCKERELS

Susquehanna Breeders specialize in the production of Sexed Chicks and were the first hatchery in the East to offer for sale sexed chicks guaranteed 95% **accurate.** All chicks sexed by Mrs. Freda Parks Woodruff, internationally known sexing expert. This is your assurance of proper and accurate sexing. Buy your sexed pullets and cockerels from the acknowledged leader in the field. FREE BOOKLET ON CHICK SEXING. We have prepared a small booklet which explains sexing thoroughly. It will be sent you free along with our catalog—See coupon below.

**STATE BLOODTESTED**
Every breeding bird Officially State Bloodtested by the tube agglutination test for B.W.D. by a State laboratory. All reactors removed. Do not be deceived by so called short tests. Demand that the chicks you buy be from Officially tested stock — tested by the proven and reliable tube method. It costs you no more.

**R. O. P. PEDIGREED SIRES**
Learn about our BREEDING CONTROL plan which assures you chicks from R.O.P. pedigreed sires at reasonable cost. We spend thousands of dollars annually for pedigreed chicks and males. Learn how you can get the benefit of this high production breeding at no extra cost.

*Now* . . . get REAL results with OUR
LEADING MONEY MAKING VARIETIES

Breeders of SUSQUEHANNA STRAIN invite you to write for your FREE copy of our latest catalog which gives full details concerning this leading money making strain of birds. It is profusely illustrated and gives many helpful hints to poultrymen. We will also include a copy of our booklet "Chick Sexing" which has just been revised.

**VISIT OUR HATCHERY**
We extend a cordial invitation to our friends to visit our plant and see our modern and efficient equipment for producing and brooding chicks.

FREE! MAY I SEND YOU A COPY OF OUR NEW CATALOG!

**If you act promptly I'll send you a Profit Sharing Certificate worth up to $500.00 to you.**

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**Hatches Every Week in the Year**
Our hatchery is always operating and we can fill your orders, no matter how small or how large, at any time of the year. We make a specialty of serving broiler producers who require weekly shipments. Some of the largest broiler producers in the country use Susquehanna Strain chicks.

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We especially recommend our crossbreds to both the broiler producer and the egg producer. They have more vigor than purebreds, grow faster, feather quicker, are less susceptible to disease, and lay better than purebreds. If you have never tried crosses, learn more about them. We have a cross for every need.

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**A Breed for Every Need**
Large Type White Leghorns
New Hampshires Barred Rocks
Rhode Island Reds
White Rocks Bronze Turkeys
White Holland Turkeys
Redi-Rocks Corno-Reds
New Hampshire Whites
White Giants Started Capons

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St. or Rt. .....
Town .....
State .....

## THE SUPPLEMENTING VALUE OF FERMENTED MASH IN EGG PRODUCTION

AN eastern state college, in careful tests covering three years, found that hens on a well-balanced ration supplemented with mash fermented with Animal-Poultry Yeast Foam laid more eggs than control hens receiving the same basal ration but not any fermented mash.

A well-balanced ration is very important in successful poultry feeding. Especially during egg production are adequate amounts of proper nutrients required. Animal-Poultry Yeast Foam, included in feed mixtures made according to sound nutritional principles, allows you to ferment the feeds.

If your dealer is not yet offering Yeast Foam System Feeds, ask him to write for our sales contract while territory is still open. Meanwhile, try adding Animal-Poultry Yeast Foam to your present feed. Only $1 brings you a 4-lb. box, delivered in U. S. Larger amounts cheaper. Northwestern Yeast Co., Dept. D, 1750 N. Ashland Ave., Chicago, Ill.

**ANIMAL-POULTRY YEAST FOAM**


**MOSS Farm R.I. Reds**

A NEVER BEATEN LAYING RECORD

The record made by our 1936 pen at the New York State Contest, Farmingdale, still stands as the ALL-TIME HIGH for a 10-hen pen of Rhode Island Reds . . . All males used in our Straight Red Matings this season are sons of females from that grand pen.

STRAIGHT R. I. REDS—MOSS-CROSS
Barred Hybrids—CHICKS—PULLETS

Special Prices on Special Matings: All females in our Special Matings have home records of from 200 to 328 eggs. Write for free literature and prices.

MOSS FARM, Box E, ATTLEBORO, MASS.

**TREAD WELL-BRED R. I. REDS**

Second at MAINE — Seventh at STORRS
MASSACHUSETTS (U.S.) R. O. P.
Pullorum clean since State grades were established.
One of America's Best Laying Strains by Official Standards. Since Point System, our livability has been over 92% for all pens at Storrs.
CHICKS. HATCHING EGGS and R.O.P. Cockerels. Attractive Circular.
G. B. TREADWELL BOX 27-E. SPENCER, MASS.

**SEED** WRITE FOR CATALOG **FREE**
To make NEW friends will GIVE 8 varieties fancy Petunias; 7 kinds New Zinnias; 6 var. splendid New Asters; 12 kinds delicious Radish; 11 var. crisp Lettuce; 9 kinds fancy Tomatoes & 8 var. Onions (Value $11 all for 10c handling & postage. For return mailing & this adv. with 3 neighbors' names who have gardens enables you to receive 3 Hardy Phlox plants as a GIFT & New Catalog.
NEW ASTERS
THE GLOBE SEED CO. Box 30, St. Charles, Ill.




## A Brief Breed Story

### The White Plymouth Rock

White Plymouth Rocks "originated" themselves, therefore, we can only call attention to the first man, who had enough foresight to exhibit them under the name of White Plymouth Rocks. O. Frost of Monmouth, Maine, is the gentleman who first showed two trios of the breed at the Bangor, Maine, Show in 1878. He claims, that he bought a pair of these white sports from a breeder of Barred Plymouth Rocks in 1876. We do not know where he obtained the others, because he showed six.

Breeders who took up the breed at that time, perfected them by systematic selective breeding to a uniform type, and in 1888, the American Poultry Association admitted them to the Standard.

### Characteristics

The shape of the breed is "natural," therefore, great uniformity is possible and they form one of the best balanced classes at the shows. Their weight is just right for commercial purposes and make good broilers. The reason for this is that the pinfeathers do not show up as prominently.

The Standard weight of White Plymouth Rocks is 9½ lbs. for cock, 8½ lbs. for cockerel, 7½ lbs. for hen and 6 lbs. for the pullet. They lay brown shelled eggs, are good winter layers and a good breed for caponizing.

### Common Exhibition Defects

The early White Plymouth Rocks had one defect which took many years to eliminate. It was "brassiness." This is very seldom found now-a-days. The most common defects which the flock inspector or judge finds on birds exhibited at the shows are: short in body, legs too long, knocknees, feathers or stubs on shanks or toes, narrow or shallow bodies, coarse heads and wattles, flat in breast, cushion backs in females, tails carried too high, scanty tail plumage, main tail feathers spread apart at top so the sickles fall in between, hens bagged down, legs not centered unbalancing the bird, split wings, birds too large or coarse or just the reverse, too small, off-colored feathers in plumage, and thin long necks.

### Official Records

An increasing number of White Plymouth Rock breeders have been developing high egg production strains, and this has been responsible for the growing popularity of the variety in recent years.

The best pen record of White Rocks was made in 1933 at the Texas Laying Test where the entry of G. C. Murray averaged 266.1 eggs and 276.4 points per bird for the year. A hen in that pen laid 307 eggs and scored 333 points to establish the highest individual record for the variety.

High pen in the 1938 laying tests was the entry of Townsley Hatcheries at the Central N. Y. test. This 13-bird pen laid 2956 eggs and scored 3080 points in the 51-week period.


**NEW THERMO-DEFLECTOR Saves MONEY for Poultrymen**

A most astounding Brooder Improvement! Gives 90% Deflection. Very little heat loss. Great fuel-saver. Ordinary brooder heat loss high. Dangerous to chicks. Wasteful. See illustrations. THERMO-DEFLECTOR is exclusive Behler feature. Holds heat. Places it on floor where needed. Saves money in fuel and labor.

BEHLER GUARANTEE—Every Behler is guaranteed for Greater Economy. Greater Efficiency. Greater Safety. The Amazing New Thermo-Deflector is one of the 7 superior features of Behler Brooders. Priced from $16.85 up. New Free Catalog gives full details, illustrates and describes sensational THERMO-DEFLECTOR! Save Money—WRITE QUICK! BEHLER BROODER STOVE CO., Dept. 445, Grand Rapids, Mich.

**BEHLER** THERMO-DEFLECTOR BROODER STOVE

**CHICK FEEDER BARGAIN**

UNIVERSAL CARDBOARD FEEDERS save money—save feed—save chicks. Economical. Sanitary. Millions sold. Dealers everywhere. If your dealer does not have them, mail us $1 for 18, postpaid.
18 FOR $1 BY MAIL
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QUAKERTOWN POULTRY EQUIPMENT
Covers large line of unusually longwearing and practical poultry equipment—Electric Brooders, Thermostatic controlled Electric Heated Waterers, Feeders, Nests, and Wire Traps, etc. Send today for our 1939 catalog.
Willauer Machine Co., Box E, Quakertown, Pa.

**YOUNG'S New Hampshires CHICKS** An original strain—outstanding in superior breed characteristics.
"You must be satisfied"—that's our policy! PULLORUM CLEAN flock. Hatching eggs all year round. Free catalog describes our years of breeding for early feathering, non-broodiness, size, color, production. Write for catalog and prices.
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**LOW FACTORY PRICES**
on STARTER, BROILER and LAYING BATTERIES, PARTS, WIRE FABRICS and other POULTRY EQUIPMENT
76-Page Catalogue Free
BUSSEY PEN PRODUCTS CO.
5181 West 65th St., CHICAGO
Only $17.50 COMPLETE BROILER BATTERY

**LEMMEN'S LARGE LEGHORNS**
WE IMPORT DIRECT FROM TOM BARRON IN ENGLAND
Chicks from profit proven hens with 17 years specialized breeding for size, egg production and livability. 100% B.W.D. bloodtested last 7 years. 14 day free replacement guarantee. Sexed or straight. 95% sexed guaranteed. Also new hybrid White and Barred Rocks and Rhode Island Reds. Discount and free offer on all orders. 1939 catalog free.
Lemmen Leghorn Farm, Box 304E, Holland, Mich.

**NEW HAMPSHIRE CHICKS**
Popular breed. R.O.P. stock. Ask for free paper, "Pine Top Poultry Tales." Will help any poultryman. Postal will do.
W. E. Goodson
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**PINE TOP POULTRY FARMS, Inc**




### How Much Feed Makes A Dozen of Eggs?

The average amount of feed required to produce one dozen eggs at the Florida Egg Laying Contest during the 1936-37 season was 5.21 pounds. This average was made from 92 entries of 13 pullets each, including Rhode Island Reds, New Hampshires, Black Australorps, White Wyandottes, Barred Plymouth Rocks, White Plymouth Rocks, White Leghorns, Brown Leghorns, White Minorcas, and Anconas.

Thus, an easy way to figure out your average feed cost per dozen eggs is to multiply the cost of 1 pound of the laying ration by 5.21.

### Large Eggs Grade Higher

Test shipments of eggs under the supervision of Illinois Agricultural Experiment Station have shown that cases of eggs weighing the heaviest usually grade better than light cases, both at the shipping point and at the receiving point. The per cent of moving air cells runs much higher in small eggs than in large eggs. Small eggs, fitting loosely in the standard size fillers, suffer considerably more jarring than large eggs.

Poor, unproductive cut-over land on the farm of Arthur Goodnow, Rutland County, Vermont, became good cow pasture after he ranged 12,000 turkeys on it one season. The droppings from these turkeys really made the grass grow the following year.

Here is the Penn State team which took high honors in the 21st Intercollegiate Poultry Judging Contest at New York, January 6, by scoring 3,088 out of a possible 3600 points. From left to right: Coach D. R. Marble, Walter Lutz, Ralph Butt, Vernon Norris, C. Allen Carrington. North Carolina was second with 3,080 points, and James A. Dobson, one of the members of this team, won high individual honors. The Great Atlantic and Pacific Tea Company was host to the members of the eight competing teams at a dinner where the prizes were awarded. Beacon Milling Company donated the cup for the winning team, while Purina Mills was the donor of the cup for the high individual.


**MORRIS FARM CHICKS**
NEW ENGLAND'S OLDEST BREEDING FARM EST. 1906

**BETTER BREEDING for BETTER PROFITS**
*MORE EGGS and FASTER BROILER GROWTH*

STATE BLOODTESTED—NO REACTORS—Privately bred 33 years.
The HIGHEST CLASS Breeder-Hatchery within the authority of the state; State Supervised and bloodtested 28 years.

SAVE $2 per 100 chicks on orders before Feb. 20, for delivery now or any future time.
Our Breeders Represent the PRIVATE SELECTION from 15,000 layers

- LAY IN 17 WEEKS
- SAVE 50c A CHICK ON FEED
- You Average 17 Doz. Eggs A Year
- 3 LB. BROILERS IN 9 to 10 WEEKS
- CHICK LIVABILITY 98 and 100%
- Full Feathering in Any Brooder
- BIG, HEAVY BIRDS—Our Standard

Your Chicks Inherit This Laying Record: 215 egg average for 21 years at Official Contests; including SEVEN FIRST PENS and THREE WORLD CHAMPIONS, official records 274 to 288 eggs.

PERFECT CHICKS, accurately hatched in incubators that "Fit the Breed." Wonderful prices on chicks with marvelous livability, fast growth, and production, only obtained the Morris Farm Way.

*OUR BREEDS Recommend Themselves*

GENUINE "TOM BARRON" 5 to 7 lb. ENGLISH LEGHORNS
We are the FIRST AND OLDEST BREEDER of the Barron Leghorn in this country. Bred and acclimated by us now 27 years. The greatest layers of all breeds on LESS FEED. The outstanding 200 egg layer of all times. The "OLD STYLE" heavy Leghorn that made Barron famous. Becoming a specialty for all classes of Battery Work. White meat. Yellow skin, nutty flavor. Pedigree 288 to 309 eggs.

- "Non-Broody" REDS. Original Strain. 307 Egg Selected by U. S. for Panama Canal.
- "Improved NEW HAMPSHIRES. Extra Heavy. Large Eggs. Sturdy Chicks.
- "Improved" BARRED ROCKS. 303 egg foundation. Large Eggs. Heavyweights. WHITE ROCKS.
- Barron WYANDOTTES. From World's Champions. 282, 312 Pedigree.
- All orders have the personal attention of Robert Morris, outstanding breeder of New England 33 years.

For FAST GROWTH and LOW GROWING COST, Mr. Ladd won Second Chick Growing Prize, 1936, with Morris Farm Chicks against 1500 competitors. They led all New England and Eastern Breeders. You too can SAVE with our Rugged Chicks. FREE CATALOG.

MORRIS FARM Phone 3-4741 Box E, Bridgeport, Conn.

**2 WAYS TO PROFIT!**

Here are two ways to profit: select vigorous chicks from a strain of fine layers. Feed well-balanced mashes containing Iodine in the amount approved by the Iodine Educational Bureau.

Iodine helps feeds to be utilized for rapid, sturdy chick growth. It improves the digestion of proteins for flesh and body building—it aids mineral assimilation for bone and tissue building.

This year make sure your chicks are started on mashes that bear the Iodine Seal of Approval. They cost no more.

Make a 90-day feeding test. See for yourself how well they develop.

Right Now, mail postcard for free booklet, "Feeding for Profit." Address Dept. EPM-2

IODINE EDUCATIONAL BUREAU, 120 BROADWAY, NEW YORK, N.Y.

**SOL-HOT SPACE HEATER** And Air Conditioner
Healthful fresh-air heat for brooder or laying house, battery or incubator room, garage, etc. Burns oil.
30 DAY TRIAL
EASY PAYMENTS
Write for price and FREE 50th Anniversary brooder and Poultry Supply Catalog. H. M. SHEER COMPANY, Box 757, Quincy, Ill.

**Giant Asters** 5 pkts. 10¢
Wilt-Resistant! The nation's favorite flower — Crimson, Yellow, Blue, Pink, White —a 10¢-packet of seeds of each, all 5 for just 10¢! Maule's Seed Book free—tested, guaranteed seeds for prize vegetables and flowers, at low prices. BOOK FREE
Maule's The Old Reliable Seed House
Wm. Henry Maule, 746 Maule Bldg., Philadelphia, Pa.

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LAYING CAGES
Write for catalog
BRIGHTWOOD, VIRGINIA

**WARREN'S MASS. CERTIFIED R.I. REDS**

**We Are Thankful for Our Honors and Successes of this Past Year, and Shall Strive to Deserve as Many More in the Present One.**

**OUR LATEST HONOR:--Massachusetts State Chick Contract Awarded for the 8th Consecutive Year!**

Eight Massachusetts State Institutions maintain large production flocks of Warren's Reds. Their collective average for the year ending Aug. 31, 1938, was 221 eggs per bird. On such results the State gave us the contract for the 8th time in 8 years.

**OUR HIGHEST NATIONAL HONOR:** — The NEPPCO "HEN-OF-THE-YEAR" Trophy, conferred on our High Pullet at Storrs, for 341 eggs, 370 points, and highest standard-bred score. Other winning: 1st Red hen, Maine; 1st Red pen, Western New York, and 1st pen in egg weight, Farmingdale, N. Y.

**1938-39 CONTESTS:** 1st Pen ALL Breeds at All Contests, two leading pens at Farmingdale, N. Y., also at Storrs; 1st in Passaic County contest.

**YOUR 1939 CHICKS NOW READY:**

**RHODE ISLAND REDS.-.ROCK-RED CROSS**

All our R. I. Red chicks are of the same breeding as our Champions and Contest Winners. All Rock-Red Cross chicks are from matings of equal quality. A $500 bond backs our guarantee that every chick goes out pullorum free. File your reservations and shipping dates now. Our bookings are heavy, and our output is not unlimited.

WIN WITH WARREN!

Write today for Catalog and Price List

**J. J. WARREN**

Box 14, North Brookfield, Mass.

Massachusetts R.O.P. Bonded Association

**Bonded Against B.W.D.**

**TOWNSLEY ThorOgood WHITE ROCKS**

The enthusiasm of our White Rock customers for birds that not only lay well, but are also tops for all meat purposes, explains the rapid growth of our business. With our own trapnest farm, and 15,000 selected breeders (the finest in our history) we are in position to fill large orders promptly. BUT, the demand usually exceeds the supply. Write now for free catalog. And **order early.**

**HIGH RECORD MATINGS**

Chicks or eggs available from our National Champion Contest Pen, or from select trapnest matings.

**TOWNSLEY TRAPNEST FARM and Hatchery, T. S. Townsley, Owner**

BOX 671-E Wilmington, Ohio



**CLEMENTS Bros. Maine Bred CHICKS**

4 FARMS Cooperating FOR YOUR BENEFIT

Clements Maine-bred chicks can "stand the gaff." They are bred to stand up and to lay under rugged Maine conditions so they'll be profitable for you. Maine accredited. Pullorum clean. Reds, Barred Rocks, White Rocks, Clem-Rock Cross chicks and Clem-Cross Baby Pullets. Write for catalog today.

**CLEMENTS BROS. FARMS**

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***Send for New Catalog***

Facts that show **SCHAIBLE'S RHODE ISLAND REDS** can be as uniformly profitable in your pens as they are consistently successful in contests. Bred for livability, production and better than average color.

**LOUIS D. SCHAIBLE**

200 West Road, SHILOH, N. J.


# Laying Tests Summarized

By Thomas E. Moncrief

For the third time in the three months of the 1938-39 laying test year, J. J. Warren's Rhode Island Reds at Passaic, N. J., hold top honors among all pens. They are a full 60 points ahead of Guy A. Leader's White Leghorn entry at Pennsylvania, which climbed into second high position during December. A. E. Guinn's White Leghorn hen at Georgia remains the number one hen to date among all individuals.

### Mettler's Reds on Top for December

Thomas Mettler's Rhode Island Reds at Hunterdon, N. J., helped their cause considerably by shelling out a total of 362 eggs, good for 367.70 points, during the month. The heavy breeds pushed ahead of the Leghorns at 11 of the 16 standard tests in December, although the heavies have only 9 of the 16 top places to January 1.

**High Pen, 13 Birds, Each Breed to January 1—(92 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1030 | 1037.30 | Pass., N.J. |
| Guy A. Leader | Wh. Leg. | 986 | 976.85 | Penna. |
| Eben Wood | N. Hamp. | 933 | 950.55 | Maine |
| Eben Wood | Bd. Rk. | 887 | 861.95 | Maine |
| Colonial Pl. Fm. | Wh. Wy. | 821 | 840.05 | Texas |
| Oscar W. Holtzapple | W. Rk. | 835 | 808.90 | Georgia |
| Loonie Van Sant | Bl. Aust. | 774 | 777.50 | Arizona |
| Ben G. Monroe | Anc. | 680 | 678.90 | Texas |
| Colonial Pl. Fm. | Wh. Min. | 666 | 672.10 | Georgia |
| Lindstrom Pl. Fm. | Bf.Min. | 642 | 615.65 | Missouri |
| Raymond Murphy | Wh. Gt. | 559 | 584.65 | Missouri |
| Henry F. Waitt | S. L. Wy. | 543 | 512.85 | Maine |
| S. E. Raymond | Lamona | 465 | 486.65 | Storrs |
| Harry L. Phillips | Col.P.Rk. | 452 | 454.15 | Missouri |
| Laclede Hatchery | Bf. Orp. | 475 | 418.35 | Florida |
| Eagle Nest H&H Fm. | Bf.Rk. | 406 | 412.30 | Maine |
| Blue Ribbon Fm. | R. I. W. | 390 | 382.95 | Texas |
| Cedarlaid Pl. Fm. | Br.Leg. | 402 | 322.15 | Florida |
| Missouri Valley H. | Bf.Leg. | 401 | 221.00 | Maine |
| Hall Bros. Hchy. | Cross | 168 | 167.10 | N.Y. State |

**High Hen Each Breed to January 1—(92 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 88 | 95.00 | Georgia |
| Weber Duck Farm | R.I.R. | 86 | 93.85 | Michigan |
| Dryden Pl. Br. Fm | Bd.Rk. | 86 | 90.20 | Missouri |
| Colonial Pl. Fm. | N.Hamp. | 86 | 89.05 | Arizona |
| Oscar W. Holtzapple | Wh.Rk. | 83 | 88.60 | Georgia |
| Lindstrom Pl. Fm. | Wh.Wy. | 80 | 86.40 | Georgia |
| E. S. McSweeny | Bl. Aust. | 77 | 80.85 | Arizona |
| Raymond Murphy | Wh. Gt. | 76 | 80.65 | Missouri |
| Missouri Valley H. | Anc. | 61 | 67.95 | Okla. |
| Henry F. Waitt | S. L. Wy. | 63 | 67.85 | Maine |
| Colonial Pl. Fm. | Wh. Min. | 66 | 66.80 | Georgia |
| S. E. Raymond | Lamona | 61 | 66.65 | Storrs |
| Harry L. Phillips | Col.P.Rk. | 70 | 65.05 | Missouri |
| Blue Ribbon Farms | R.I.Wh. | 65 | 62.65 | Texas |
| Lindstrom Pl. Fm. | Bf.Min. | 62 | 61.75 | Missouri |
| Eagle Nest H&H Fm. | Bf.Rk. | 56 | 58.65 | Maine |
| Missouri Valley H. | Bf.Leg. | 70 | 54.50 | Maine |
| Laclede Breeders | Bf.O. | 56 | 53.65 | Missouri |
| Cedarlaid Pl. Fm. | Br.Leg. | 63 | 52.00 | Florida |
| Hall Bros. Hty. | Cross | 43 | 45.85 | N.Y. State |

**High Pen, 13 Birds, for December in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Thomas Mettler | R. I. R. | 362 | 369.70 | Hunt. N.J. |
| Foreman Pl. Fm. | Wh. Leg. | 336 | 356.00 | Texas |
| J. J. Warren | R. I. R. | 342 | 355.25 | Pass., N.J. |
| Guy A. Leader | Wh. Leg. | 341 | 353.30 | Storrs |
| Clinard Hchy. | R. I. R. | 333 | 350.10 | Okla. |
| A. E. Guinn | Wh. Leg. | 341 | 346.10 | Georgia |
| Ford's Riverbank Fm. | R.I.R. | 334 | 341.40 | Michigan |
| Guy A. Leader | Wh. Leg. | 336 | 342.40 | Penna. |
| I. J. Warren | R. I. R. | 316 | 339.55 | Rhode Isld. |
| A. J. Williams | N. Hamp. | 329 | 338.30 | Florida |
| Loonie Van Sant | Bl. Aust. | 314 | 329.35 | Arizona |
| Booth Fms. & Hty. | Wh.Rks. | 317 | 329.00 | Missouri |
| Eben Wood | N. Hamp. | 315 | 326.85 | Maine |
| Content Fms. | Wh. Leg. | 315 | 323.20 | Cent. N.Y. |
| Clifton C. Hersey | R. I. R. | 278 | 292.60 | West. N.Y. |
| E. B. Parmenter | R. I. R. | 266 | 275.30 | N.Y. State |


**PARMENTER'S RED'S**

PEDIGREED SINCE 1916

The greatest money-making strain of fowls in existence, regardless of breed or color; as proved by official contest figures.

This is the strain that will make money for YOU.

During the past 8 years we have

**WON 11 CONTESTS** over all breeds

**HIGHEST RED PEN** 24 contests

Last year 24 Contest hens scored over 300 points

Get Our New

**1939 Catalog**

You'll find it interesting. Just ask for a copy.

***U.S.R.O.P. Chicks, Eggs, Males***

**E. B. PARMENTER,** 477 King St. Franklin, Mass.



**KAUDER'S**

*Pedigreed* LEGHORNS *and* NEW HAMPSHIRES

**Nine Official World Records for Long Life-Time Production**

**Inherited Livability! High Speed Production! Let Chicks from this "Proved" Breeding help you to gain extra profits. My Pens have dominated the Vineland Hen Contest from the start — holding more World, high Life-Time Averages than all other strains combined.**

**SEXED PULLET CHICKS on Order**

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. . direct breeding; closely related through actual pedigrees to my Vineland Champions. Write for Reduced Prices and new Free Catalog: "Better Profits with Long Life Breeding".

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**LEADER WHITE LEGHORNS**

HIGH PEN, White Leghorns, to date in entire country.

2nd HIGH PEN, All Breeds, to date in entire country.

HIGH PEN, All Breeds, December, at Storrs Test.

HIGH HEN, All Breeds, to date at Pennsylvania.

*Sold out to May 1, unless hatches exceed estimates*

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Our Georgia pen leads all White Rocks to January 1 with 835 eggs, 839 pts. Our high hen at Georgia tops all White Rocks with 83 eggs, 89 pts. Also highest pen and hen in breed at Mich., second high pen in breed at Pa. Bred for greater profits. 2000 granddaughters of 200-272 egg hens mated to 200-307 egg ROP pedigree males. Nine years ROP Trapnested. Chicks, eggs, pedigree cockerels, pullets. Write for circular & prices.

**OSCAR W. HOLTZAPPLE, BOX 13, ELIDA, OHIO**




### Texas Test Gains Top Place

The Texas Test, with the lowest mortality for the month, shoved into the lead with an average of 53.51 points and 53.42 eggs per bird during the 92 days thus far. Average production for all 14,820 birds entered in the tests is 43.20 points and 44.61 eggs to January 1. This does not take into consideration the fact that Storrs and New York State are a week behind other tests, however.

### Many Changes in Ten High Pens

December was a month of upheavals among the ten top pens to date. Warren kept his hold on first place, but Guy A. Leader's Pennsylvania pen of Leghorns passed three other pens in taking over second highest standard test position. Nelson's Leghorn Breeding Farm, however, is less than one point behind. Kauder's Pedigreed Leghorns at Storrs are right on the tails of Nelson's birds. In fifth place are Rhode Island Reds belonging to Clinard Hatchery, entered at Oklahoma. Less than a feather's distance separates Erath Egg Farm's White Leghorns in sixth place and Kauder's Georgia pen in seventh place. Then, in eighth position, Eben Wood's New Hampshires at Maine are stepping right along, followed closely by

**High Pen, 13 Birds, to January 1 in Each Standard Test—(92 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1030 | 1037.30 | Pass., N.J. |
| Guy A. Leader | Wh. Leg. | 986 | 976.85 | Penna. |
| Nelson's Leg. Br. Fm. | Wh.L. | 948 | 976.15 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 932 | 974.45 | Storrs |
| Clinard Hchy. | R. I. R. | 951 | 961.00 | Okla. |
| Kauder's Ped. Leg. | Wh.Leg. | 952 | 959.40 | Georgia |
| Eben Wood | N. Hamp. | 933 | 950.55 | Maine |
| Thomas Mettler | R. I. R. | 968 | 949.00 | Hunt. N.J. |
| Vans R. Otey | R. I. R. | 942 | 947.70 | Florida |
| Rochelle Hchy. | Wh. Leg. | 943 | 936.80 | Michigan |
| R.E. & F.H. Kendrick | R.I.R. | 880 | 911.20 | Rhode Isld. |
| Dryden Pl. Br. Fm. | Bd.Rk. | 878 | 845.40 | Cent. N.Y. |
| Booth Farms | Wh. Leg. | 820 | 842.85 | Missouri |
| Colonial Pl. Fm. | N.Hamp. | 807 | 798.80 | Arizona |
| I. J. Warren | R. I. R. | 763 | 786.55 | West. N.Y. |
| Harry A. Schnell | Wh. Leg. | 747 | 721.50 | N.Y. State |

**High Hen to January 1 in Each Standard Test—(92 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 88 | 95.00 | Georgia |
| Weber Duck Fm. | R. I. R. | 86 | 93.85 | Michigan |
| I. J. Warren | R. I. R. | 86 | 92.60 | Pass., N.J. |
| W. A. Seidel | Wh. Leg. | 85 | 92.60 | Texas |
| Gulfkist Pl. Fm. | Wh. Leg. | 85 | 91.65 | Florida |
| E. B. Parmenter | R. I. R. | 81 | 90.90 | Rhode Isld. |
| Dryden Pl. Br. Fm. | Bd.Rk. | 86 | 90.20 | Missouri |
| Guy A. Leader | Wh. Leg. | 85 | 89.20 | Penna. |
| Colonial Pl. Fm. | N. Hamp. | 86 | 89.05 | Arizona |
| Kauder's Ped. Leg. | Wh.Leg. | 81 | 87.70 | Storrs |
| Thomas Mettler | R. I. R. | 80 | 86.95 | Hunt. N.J. |
| Baker Pl. Fm. | Wh. Leg. | 86 | 86.90 | Cent. N.Y. |
| Redbird Farm | R. I. R. | 84 | 86.90 | Maine |
| Sand Springs H. Fm. | W.L. | 83 | 85.55 | Okla. |
| Douglaston Manor | F.R.I.R. | 80 | 84.15 | West. N.Y. |
| I. J. Warren | R. I. R. | 77 | 77.65 | N.Y. State |

**Average Production and Mortality to January 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Dec. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 53.42 | 53.51 | .65 | 3.07 |
| Georgia | 1,390 | 51.76 | 51.66 | 2.46 | 5.92 |
| Hunt., N. J. | 650 | 50.32 | 49.07 | 1.69 | 2.76 |
| Arizona | 260 | 49.68 | 48.45 | 1.92 | 3.84 |
| Florida | 1,248 | 48.13 | 45.71 | 2.24 | 4.08 |
| Storrs | 1,390 | 46.54 | 45.68 | 1.46 | 2.53 |
| Pass., N. J. | 1,001 | 47.19 | 45.65 | 1.59 | 3.09 |
| Oklahoma | 650 | 46.23 | 44.83 | 2.30 | 3.84 |
| Pennsylvania | 1,131 | 45.21 | 44.11 | 1.59 | 2.29 |
| Michigan | 897 | 43.24 | 42.21 | 2.11 | 4.12 |
| Rhode Island | 650 | 41.41 | 41.93 | 2.00 | 4.06 |
| West. N. Y. | 884 | 42.99 | 40.92 | .79 | 1.47 |
| Maine | 1,027 | 41.06 | 39.28 | 2.33 | 3.99 |
| Missouri | 789 | 35.89 | 36.04 | 1.92 | 4.35 |
| Cent. N. Y. | 910 | 36.22 | 34.65 | .87 | 1.31 |
| N. Y. State | 1,232 | 32.67 | 30.59 | 1.96 | 4.25 |
| All Tests | 14,820 | 44.61 | 43.20 | 1.75 | 3.46 |

**Ten Highest Standard Test Pens in Entire Country to Date—(92 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1036 | 1037.30 | Pass., N.J. |
| Guy A. Leader | Wh. Leg. | 986 | 976.85 | Penna. |
| Nelson's Leg. Br. Fm. | Wh.L. | 948 | 976.15 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 932 | 974.45 | Storrs |
| Clinard Hatchery | R. I. R. | 951 | 961.00 | Okla. |
| Erath Egg Fm. | Wh. Leg. | 949 | 950.55 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 952 | 959.40 | Georgia |
| Eben Wood | N. Hamp. | 933 | 950.55 | Maine |
| Thomas Mettler | R. I. R. | 968 | 949.00 | Hunt. N.J. |
| Vans R. Otey | R. I. R. | 942 | 947.70 | Florida |


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LACTOFLAVIN is necessary for biggest hatches — as proved by Cornell University, Ohio State University, University of California, and other leading Agricultural Experiment Stations. The lactoflavin in the laying hen's ration determines to a great extent the ability of eggs to hatch into vigorous chicks—and the livability of baby chicks after hatching.

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And now experiment stations have proved that many practical rations do not provide enough lactoflavin for biggest hatches. In tests at California Agricultural Experiment Station addition of lactoflavin to a typical practical diet produced marked increases in hatchability.

# MORE EGGS

EXTRA lactoflavin in laying hens' rations stimulates egg production—especially in the winter months. Research scientists feeding laying flocks at California Agricultural Experiment Station have proved this. And many practical poultry rations—supposedly complete in all nutritional essentials — do not contain enough lactoflavin for highest egg production.

These tests conducted over a period of two years proved that the highest egg yields came from hens receiving rations to which extra lactoflavin had been added.

See that your feeds have the lactoflavin required for more eggs. Feed your hens laying mashes made with Flaydry.

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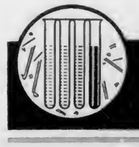

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3-Breeding on Family Basis
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Thomas Mettler's Reds in ninth place and Vans R. Otey's Reds in tenth place.

### Leader Leghorns Lead in Breed

Leader's high-stepping layers at Pennsylvania will have to step lively to keep up the pace in the Leghorn division, for competition is keen and so far this year no breeder has been able to hold the top place for more than one month. A. E. Guinn moved up into sixth place this month. W. A. Seidel held on to seventh position, but Rochelle Hatchery, another newcomer, advanced to eighth place. Booth Farms has ninth place to date in this breed, and Foreman Poultry Farm occupies tenth place.

### Mettler Moves into Third Place

Mettler's Reds wasted no time in jumping into the limelight in the Rhode Island Red section. They were below the top ten Red pens last month but shoved their way right into third position during December. All other Red pens were in the line-up last month, with changes according to order.

### Eben Wood Leads New Hampshires

Eben Wood's New Hampshire pen at Maine sailed past A. J. William's birds during December and have a margin of 11 points to January 1. Wood's Barred Rocks, also at Maine, took over command in that breed, with Dryden's Barred Rocks at Central New York in second place. Oscar W. Holtzapple's White Rocks at Georgia wear the crown in their breed for the third consecutive month. Booth Farms worked into second place in the White Rock breed and Homestead Farms holds third position to date.

### Standard Hatchery Leads at Illinois

Standard Hatchery's White Leghorns top all Illinois pens through the second month of their non-standard test. Mapleside Poultry Farm's Barred Rock hen leads through the 61 days with 59 eggs and 62.05 points.

### Hanson Leads in Pennsylvania Hen Test

J. A. Hanson's Leghorns, with 4415 points and 4136 eggs, are the leading birds in the Pennsylvania Hen Test through 457 days to January 1. E. B. Parmenter leads in the Rhode Island Red division, Fuzzydele Farms among the New Hampshires, and Lindstrom Poultry Farm among the White Wyandottes. John Schrope's White Leghorns take top honors for the 92 days this year, with 616 points and 569 eggs.

### Leading Pens at Vineland Hen Test

Kauder's Pedigreed Leghorns hold top honors in the four-year class at Vineland, J. A. Hanson's Leghorns top the three-year class, and J. J. Warren's Reds rank the number one pen in the two-year class. Kauder's six-year old Leghorn hen has the most points of all Vineland individuals.

### Wegatepa Continues Fast Pace

Wegatepa Farm's Rhode Island Reds continue to dominate at the Paterson, N. J., R.O.P. Progeny Test with highest pen for December, highest pen to date, highest bird to date, and highest family to date. H. B. Helm's New Hampshire hen was high bird for December and E. B. Parmenter's Rhode Island Red family was the highest family for December.

### Warren and Content Farms Ahead

J. J. Warren's 20-bird pen of Rhode Island Reds led all other pens in the Western New York Test's Breeder Flock Class for December, and has a tight hold on first place for the three months to date. Content Farm's complete entry of White Leghorns were away ahead for the month in the Central New York Test's Breeder Flock Class, and also are showing their tail feathers to all other pens to date.

**Ten Highest White Leghorn Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Guy A. Leader | 986 | 976.85 | Penna. |
| Nelson's Leg. Hr. Farm | 948 | 976.15 | Texas |
| Kauder's Ped. Leghorns | 932 | 974.45 | Storrs |
| Erath Egg Farm | 949 | 959.55 | Texas |
| Kauder's Ped. Leghorns | 952 | 959.40 | Georgia |
| A. E. Guinn | 976 | 945.50 | Georgia |
| W. A. Seidel | 907 | 940.85 | Texas |
| Rochelle Hatchery | 943 | 936.80 | Michigan |
| Booth Farms | 914 | 933.50 | Florida |
| Foreman Poultry Farm | 924 | 930.30 | Michigan |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| J. J. Warren | 1030 | 1037.30 | Pass., N.J. |
| Ellnard Hatchery | 951 | 964.00 | Okla. |
| Thomas Mettler | 968 | 949.00 | Hunt. N.J. |
| Vans R. Otey | 942 | 947.70 | Florida |
| Cane Poultry Farm | 925 | 936.25 | Hunt. N.J. |
| Ralph W. Anderson | 884 | 919.90 | Storrs |
| Weber Duck Farm | 968 | 916.10 | Georgia |
| J. J. Warren | 874 | 914.70 | Storrs |
| Wegatepa Farms | 890 | 914.35 | Maine |
| R. E. & F. H. Kendrick | 880 | 911.20 | Rhode Isld. |

**Ten Highest New Hampshire Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 933 | 950.55 | Maine |
| A. J. Williams | 922 | 939.65 | Florida |
| Thomas J. Harrold | 960 | 917.90 | Georgia |
| A. J. Williams | 907 | 906.80 | Florida |
| Quimby School | 926 | 858.90 | Maine |
| Pine Mountain Valley Fms. | 827 | 858.60 | Georgia |
| Steelman Poultry Farms | 843 | 852.70 | Storrs |
| Pine Top Poultry Farm | 801 | 815.55 | Maine |
| Hubbard Farms | 856 | 833.60 | Storrs |
| James H. Horne | 810 | 832.75 | Maine |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 887 | 861.95 | Maine |
| Dryden Pl. Br. Farm | 878 | 845.10 | Cent. N.Y. |
| Weber Duck Farm | 876 | 824.35 | Maine |
| Dryden Pl. Br. Farm | 818 | 810.70 | Missouri |
| Weber Duck Farm | 822 | 788.00 | Georgia |
| Fuzzydele Farms | 774 | 750.65 | Storrs |
| R. C. E. Wallace | 751 | 749.15 | Okla. |
| Booth Farms | 833 | 743.30 | Florida |
| Woody Hthy & Pl. Fm. | 799 | 739.50 | Georgia |
| Riley Poultry Farm | 746 | 731.20 | Georgia |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 835 | 808.30 | Georgia |
| Booth Farms | 779 | 786.10 | Missouri |
| Homestead Farms | 784 | 738.30 | Penna. |
| Tender Broiler Hatchery | 750 | 718.95 | Okla. |
| T. S. Townsley | 719 | 714.30 | Georgia |
| Oscar W. Holtzapple | 721 | 695.90 | Penna. |
| Albert C. Lawton | 677 | 695.30 | Rhode Isld. |
| Kalerok Farm | 667 | 684.05 | Rhode Isld. |
| Lewis Farms | 678 | 650.75 | Rhode Isld. |
| Earl C. Dunham | 659 | 642.30 | Georgia |

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"Hen of the Century" is the name that Irving Kauder, breeder of White Leghorns, has given to this hen which laid over 1,000 eggs since 1933. This hen was hatched March 23, 1933, entered in the Storrs Laying Test where she made a first-year record of 310 eggs. From there, she was sent to the Vineland hen test where she marked up a lifetime record of 1136 eggs and 1180.9 points through November, 1938.

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CHICKS—Hatching Eggs: Plan now for 1939 Leghorn year and Profits. With the profit trend from meat to eggs, GROUTEN'S fine outstanding Leghorn Stock will be more than ever in demand. Hen Breeders. Profit size eggs. Satisfaction assured. Prices right. Now hatching. Free folder. Write today.
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## February Pattern

### Radiant Slim-Line Frock

Resolve—and wear this easy-to-make slenderizer on such important occasions! We planned Pattern 9885 with so many engaging accents. Notice the becoming scalloped neckline with dainty lace edging—the soft tie-ends or gay buttons. Shirrings at shoulder and above the slimming skirt panel rank as adornment too. And what gracious ease of line they have! Why not make a long or three-quarter length version in wool for the "cold snap"? Make the so-youthful short-sleeve style, too, in silk! There's a new Sew Chart to consult about the easy making.

Pattern 9885 may be ordered only in women's sizes 34, 36, 38, 40, 42, 44, 46, 48 and 50. Size 36 requires 4 yards 39 inch fabric and 2⅜ yards lace edging. Price 15 cents (in coins).

**Pattern Department**
**EVERYBODYS POULTRY MAGAZINE**
**Hanover Pennsylvania**

### This Way for New-Season Chic!

Pardon us for pointing—but we do it with pride—towards our latest Pattern Book of Spring Styles! Order it today, so that you can decide early in the season what to make for yourself and your family. Its fashions are different and new! They are easy to stitch up at home. They offer splendid choice! Whether you're a bride-to-be, a sweet girl graduate, a career woman or a housewife, you'll be delighted with its fascinating array of patterns. The kindergarten and college ages are well considered too! And the matron who must wear clothes as slimming as a diet will find the very outfits she needs! This Pattern Book also stresses coats, suits, blouses, skirts, lingerie and at-home wear including aprons. And news, too, about fabrics and accessories! Order your copy of this practical book now! Price of book 15 cents; book and a pattern together, 25 cents.

**Pattern Department**
**EVERYBODYS POULTRY MAGAZINE**
**Hanover Pennsylvania**

*Conducted by Aunt Sally*

# Everybody's Home Page

### This and That

Refreshments will be an important question in February, the greatest month in the year for celebrations. How can we keep up with the demand, since all the societies, clubs and organizations will be after something different? A supper or two will do away with one round of fancy sandwiches.

Should a skating or ski party be included in the round of gayeties, that will call for more than a sandwich and cup of coffee. Why not serve scrambled eggs and waffles for the hungry "gang"? It is surprising how scrambled eggs are taking a fling in high society.

Now for a business secret. Do you know that the wife of one of the world's most famous men, gave an order for a luncheon menu last August, simply scrambled eggs and waffles with sliced oranges for dessert? And did those nephews enjoy it!

In your own home with the table all set and ready for service, it is no trick at all to take the mixed waffle batter (except the whipped egg whites), from the refrigerator, and the eggs all previously stirred and seasoned for the chafing dish or electric server, and place them on the table all set for action. A youthful hostess and several girl friends get busy with the waffle iron, serving the eggs and pouring the coffee, and what fun! Try it.

• • •

Salad for one evening can be the main plate. A frozen fruit mixture poured into the ice cube trays and the partitions replaced before freezing is lovely. Serve the cubes on lettuce leaves or a bed of shredded cabbage, using big fat walnuts or pecans for the garnish. O, yes, and if it is for Washington's Birthday, add a cherry or two. Have you seen those with real stems, same price as the others?

• • •

Feathered friends will chirp gratefully for a few crumbs scattered on your window sill these bleak, icy days. Don't forget the short strings. Nesting time will be coming along and the birds need building material.

### Favorite Meat, Vegetable or Nut Loaf Recipe

Send in your favorite meat, vegetable or nut loaf recipe before February 15, so that the March issue can carry the prize winning recipes. All recipes submitted become the property of Everybodys. One dollar will be paid for each contribution published. Address Aunt Sally, Everybodys Poultry Magazine, Hanover, Pa.

### Winners of $1.00 Awards in Single Crust Pie Contest

#### Heavenly Mist Pie

"We call this Heavenly Mist Pie because it seems to disappear before our very eyes."

Combine ½ cup flour, ¾ cup sugar and ¼ teaspoon salt in top of double boiler. Add 1¼ cups cold water and 2 slightly beaten egg yolks, mixing thoroughly. Place over hot water and cook ten minutes or until thickened, stirring constantly. Remove from fire, add ½ cup orange juice, 2 tablespoons lemon juice, 4 teaspoons grated orange rind and ½ teaspoon grated lemon rind. Chill and pour into baked pie shell.

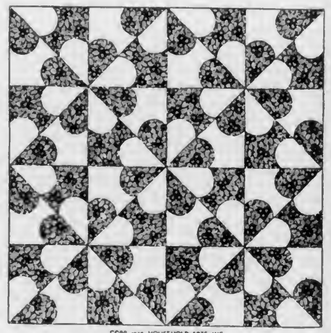
Put 2 unbeaten egg whites, ½ cup sugar, pinch of salt and 2 tablespoons water in top of double boiler. Beat with rotary egg beater until thoroughly mixed. Place over rapidly boiling water and beat one minute. Then remove from fire and continue beating two minutes longer or until mixture will stand in peaks. Pile lightly on pie, arrange the sections from one orange or more, (free from membrane) or meringue and sprinkle with cocoanut.—Miss Marilynn Engel, 2A Laventhal Avenue, Irvington, N. J.

#### Crumb Cherry Pie

Line a deep pie pan with rich crust made with lard, of course, and fill with this mixture: Beat together 1 egg, 2 tablespoons flour and ½ cup of sugar. Add a pint of drained sour cherries (either fresh or canned) and mix again. Pour into the unbaked pie crust and sprinkle with the crumb topping. If only a thin top is wanted then make up the crumbs from 1 tablespoon each of brown sugar and flour, ½ tablespoon of butter and a dash of cinnamon. However, the proportion of 3 tablespoons each of the sugar and flour and 1½ tablespoons of butter, make it "crustier" and more "crunchy." Bake until the crumbs are nicely browned and the crust well baked. — Mrs. D. H. Reber, Summit Station, Pa.

#### Angel Food Pie

In the top of a double boiler mix 1 cup of crushed pineapple, 1 cup of cold water, 1 cup of sugar, ⅛ teaspoon of salt and place the boiler directly over the flame until it reaches the boiling point. Add 2½ tablespoons of cornstarch which has been dissolved in a little cold water, and boil until it is thick. Set aside to cool when the beaten whites of three eggs are folded in. Pour into a baked pie shell, cover with whipped cream and sprinkle with chopped nuts. Chill before serving. — Mrs. Lowell Blausey, Woodville, Ohio. R. F. D.




### Dutch Windmill—Pattern 6215

Here's a classic turn-about quilt—two pattern pieces, two materials interchanged in an easy block. Back in Colonial days this quilt, no doubt, was inspired by the windmills of the Dutch settlers and so today we still call it Dutch Windmill. It is one of the loveliest of two-piece quilts and one that is quickly pieced. Here is a chance at a Colonial masterpiece from your own hand. Pattern 6215 contains the Block Chart; carefully drawn pattern pieces; directions for cutting, sewing and finishing; yardage chart; diagram of quilt.

To obtain this pattern send 10 cents in coin to **Pattern Dept., Everybodys Poultry Mag., Hanover, Pa.**



# Our Garden

### Start Your 1939 Garden Right

Start your 1939 season early enough to control all vegetable diseases. Professor Charles Chupp, of Cornell University extension service, suggests that gardeners resolve in 1939 to obtain good seed, make the required seed treatments, practice crop rotation, and apply the recommended fungicides before the diseases appear.

### Planning the Home Garden

To prevent large numbers of such vegetables as lettuce, radishes, spinach, carrots, and beets from ripening all at one time, make small plantings of each vegetable at two-week intervals throughout the spring. This will enable you to use the vegetables at their best stage of development.

### Plant in Rows

If you have plenty of room, plant your vegetables in rows rather than in beds. Rows are more convenient to cultivate and make weeding easier.

### Fertilizing Asparagus

Asparagus needs more fertilizer than many other vegetables. Put a mulch of manure, if available, along the rows in the winter, working it well into the soil in the spring, when a good dressing of commercial fertilizer should be applied.

### Perennials Save Work

For those who cannot devote much time to gardening, perennials are often preferred, for they live year after year and require little care. A careful selection of perennials will make a garden of blooms from early Spring to late Fall.

### New Tools Save Time and Work

Old tools have served their purpose well, but new tools are developed each year which do a better job and are easier to operate. Take the new hand cultivators, for instance. They are simple to adjust, dependable, a favorite with many gardeners. Most makes have three different constructions for light to heavy soils.

### Fresh Manure May Harm Plants

If fresh manure is spread over the garden just before planting in the spring, it may heat and harm the plants or it may give off toxic organic compounds which will have a detrimental effect upon the vegetables. Manure should be well decomposed before the garden crops are planted in it.

### Peat Moss is a Good Mulch

Peat moss is one of the best mulches available because it contains no weed seeds, as do most other mulches, and holds the moisture exceptionally well. It may be spread several inches deep among berry canes and other garden plants, and allowed to remain there all year.

### Planting Distances for Small Fruits

Planting distances for small fruits vary some with local conditions, but the following distances generally can be followed: Grapes, 8 to 10 feet apart in rows 10 feet apart; gooseberries and currants, 4 to 5 feet apart in rows 6 feet apart; raspberries, 3 to 4 feet apart in rows 8 feet apart; blackberries, 2 to 3 feet apart in rows 7 to 9 feet apart; strawberries, 18 to 20 inches apart in rows 3½ feet apart. Different varieties, growing faster and larger than others, need more room than other varieties.


President's Special Announcement
You'll WIN $100.00
...JUST COMPLETE THE WINNING SENTENCE IN OUR NEW 1939 PRESIDENT'S CASH PRIZE CONTEST.... THINK OF IT! Oh Boy, wouldn't it be Grand to Win $100.00? In Addition to the Gift you get Free for Distributing Only 24 Packages of Our Garden Spot Seeds... and at no extra cost. EVERYONE WHO SENDS AN ORDER FOR SEEDS GETS OFFICIAL CASH PRIZE ENTRY BLANK. THEN ALL YOU DO IS TO COMPLETE ONE SIMPLE SENTENCE. I'LL TELL YOU THE SENTENCE WHEN I SEND YOU THE SEED.
131 ADDITIONAL CASH PRIZES
HURRY! SEND YOUR ORDER FOR SEEDS TODAY SO I CAN SHOW YOU HOW TO BE THE WINNER.
Chas. Rossman

HANDSOME PRIZES FOR EVERYBODY

Blue Bird Granite Cooking Set — Will Make You Proud of Your Kitchen. Convenient & sanitary kitchen utensils. Entire Set given as one premium, consists of four regular-sized pieces: 1 Mixing Bowl, 1 Pudding Pan, Preserving Kettle, with handle, 1 Sauce Pan. GIVEN for selling only 1 order.

GIVEN WITHOUT ONE CENT OF COST — Ladies NEW FASHION WRIST WATCH. Guaranteed Movement. Sparkling enameled ivory case. Sell only two orders. Sent postpaid.

A Regular Man's Watch — A completely new standard model with improved movement. Given for selling only one order. We pay postage.

GIANT SPY-GLASS — 3 FOOT TELESCOPE. See moon, stars and people miles away. Gives new pleasure. Always ready. Given for selling only one order. Send no money.

Good Luck Fishing Outfit — Consists of solid steel rod; sturdy reel with 60-yard capacity; spool of medium weight, tested, waterproof casting line; 12 snelled hooks on double gut, 12 lead sinkers; cork float and stout stringer. Truly a remarkable offering. Given for selling only one order. Postpaid.

GIVEN — Sweet Toned VIOLIN. Handsome finish, highly polished. Set of strings & bow included. Send no money. Given for selling one order.

PRIZE TYPEWRITER — $10 for best, neatest & nicest composed letters written on this machine and sent in by July 1, 1939. Learn to operate in a few hours and turn out fine legible letters. Built of metal, has automatic letter-shift, revolving letter-disc, continuous inking. GIVEN for selling 1 order.

THIS GENUINE JUNIOR GUITAR FOR YOU! BOYS & GIRLS — Get this handsome instrument NOW. Just send your name & address. Send No Money. We Trust You with 24 packs of Garden Seeds to sell at 10c a pkt. When sold send $2.40 collected and we will send this mahogany finish Guitar and Five-Minute Instruction Book absolutely FREE.

32 Pc Rose Petal DINNER SET — A sparkling, beautiful Dinner Set. Given for selling two orders. SEND NO MONEY. Set sent express collect. A remarkable Prize.

22 Piece TABLEWARE SET — 6 Knives, 6 Forks, 6 Teaspoons, 2 Tablespoons, Butter Knife and Sugar Shell. Given for selling one order.

CRINKLED BED SPREAD — The crinkled stripes are neatly woven in contrasting colors of rose, green and blue, the same on both sides. Size 80x90 inches. Given for selling only one order.

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Please send me 24 packets of Garden Spot Seeds to sell for a Fine Gift. I will send money or return seeds in 30 days. Also send Cash Prize Entry Blank and Sentence to Be Completed So I Can Win $100.00.
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These enormous heads, under ideal conditions have been known to grow almost as large around as a bushel basket, often weighing more than 30 pounds per head! For the biggest Cabbage ever, plant Maule's Jumbo! The heads are flat and very solid, becoming firm while still rather small so you can begin to use early. Delicious for slicing, for cooking, for kraut. Postpaid and guaranteed: Pkt. 10¢; oz. 35¢; ¼ lb. $1
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Maule's — The Old Reliable Seed House
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JUNG'S WAYAHEAD, Big Red Fruits ripe as early as July 4th, regular price 15c per pkt. To introduce Jung's Quality Seeds will send trial pkt. of this tomato and Carrot, Lettuce, Radish, Onions, all the above and the following:
GRAND NEW FLOWERS
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Dahlia-Flowered, 4 colors. Scarlet, Yellow, Lavender, Rose; a 15c-Pkt. of each, all 4 postpaid for 10c! Burpee's Seed Catalog free.
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A Practical Power Cultivator and Plow for Poultrymen, Gardeners, Florists, Nurserymen, Fruit Growers & Suburbanites. Also supplies power for belt machinery.
Plows Chicken Yards
The compact Kinkade can work close to fences and inside runways.
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Think of it! 10 healthy 4 year old Transplanted trees, 3 to 6 inches tall—only $1. Postpaid. Send today. Bargain No. 2—50 Evergreen $3, postpaid. All 3 and 4 year old transplanted trees, 4 to 10 in. tall. Ten each White Pine, Norway Spruce, Austrian Pine, White Spruce, Scotch Pine, all 50 for $3.00. Free illus. price list, of small evergreen trees. All Trees Guaranteed to Live. WESTERN MAINE FOREST NURSERY, Box E29, Fryeburg, Me.



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| Large Type W.Leg. Pull., 95% guar. | $13.50 | $67.50 | $135 |
| Large Type W. Leghorns | 7.00 | 35.00 | 70 |
| Bar. Wh.Rox, Wh.Wyand, R.I. Reds | 7.50 | 37.50 | 75 |
| Special New Hampshire Reds | 8.50 | 42.50 | 85 |

H. Mixed $7; Day old Legh. Ckls. $3-100. All breeders Blood Tested. Hatches Mon. & Thurs. Write for New Free Catalog & actual Photos of our entire Poultry Farm & Hatchery Plant. The McAlisterville Poultry Farm Hatchery, Edgar C. Leister, Owner, Box 45, McAlisterville, Pa.



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Just to get acquainted with new customers will send 4-10c pkt fancy Petunias, including New Fluffy Ruffles for only 4 names flower lovers—Will include 5 beautiful spring flowering bulbs & 100 Ruffled Gladioli for 10c to cover packing & postage. For return mailing & this ad, enables you to receive a PREMIUM OFFER 2 beautiful Everblooming Roses & New Garden Book.—Supply limited—Send today.
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American Headquarters for WHITE, BUFF, and BLACK Australorps. We imported the Official World Champion 353 - 361 - 364 Egg Hens. Our FREE Educational Catalog Shows CUSTOMERS' PROFITS up to $5.67 per bird. Mrs. Merkel earned $1,190.80 from 210 Australorp hens in ONE YEAR under Gov't supervision.

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# News Notes

## CALENDAR OF EVENTS

Jan. 30-Feb. 3, Annual Baby Chick Show, Poultry Science Club, Ohio State University, Columbus, Ohio.

Jan. 30-Feb. 11, Ohio Poultry Keepers' School, Ohio State University, Columbus, Ohio.

Feb. 8-10, Eighth Annual New Hampshire Egg and Baby Chick Show, State Armory, Concord, N. H.

Feb. 13-18, Cornell's Farm and Home Week, Cornell University, Ithaca, N. Y.

Feb. 28-Mar. 3, Fifth Mohawk Valley Baby Chick and Egg Show, State Armory, Gloversville, N. Y. For information, write H. T. Huckle, County Agricultural Agent, Gloversville, N. Y.

Mar. 23-25, Seventh Annual Georgia Baby Chick and Egg Show, Columbus, Ga.

July 25-Aug. 7, Seventh World's Poultry Congress and Exposition, (July 25-27, Washington, D. C.; July 28-Aug. 7, Cleveland, Ohio.)

**New York Poultrymen Plan Busy Week**—New York State poultrymen and other visiting poultrymen will have a busy five days during Cornell's Farm and Home Week, February 13 to 18. Exhibits will feature breeding, incubation, nutrition, egg-laying tests, marketing, and such freaks as hens that lay blue eggs, chicks that crow, and naked chicks. A well rounded out program of talks on poultry subjects is scheduled.

**Columbus, Ga., Gets Chick and Egg Show** — Georgia's seventh annual Baby Chick and Egg Show, to be sponsored jointly by the Georgia Baby Chick Association, the University of Georgia's Poultry Science Club, and the Chamber of Commerce, Columbus, Ga., will be held March 23, 24 and 25 in Columbus. William B. Forney has been selected secretary.

## CONDITIONS

**The egg-feed ratio,** compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1936 | 1937 | 1938 | 1939 |
|---|---|---|---|---|
| December 22 .... | 7.7 | 5.9 | 4.9 | |
| December 29 .... | 8.2 | 6.2 | 5.1 | |
| January 5 ..... | | 8.95 | 7.0 | 6.0 |
| January 12 ..... | | 9.8 | 7.6 | 7.3 |

**Farm Flock Average Hits New High**—Average egg production per farm flock on January 1 hit a new high mark of 20.4 eggs, compared with 17.8 eggs per flock on January 1, 1938, 18.5 eggs per flock on January 1, 1937, and 15.0 eggs per flock for the 10-year average, 1927-36, on the first of the month. Although the number of layers per flock was about 4 per cent below the 10-year average, total egg production on January 1 was about 36 per cent above the 10-year average.

**Less Pullets in the West** — Number of pullets not of laying age in farm flocks on January 1 was larger than in any other year since the record began in 1936 in all areas except the Far Western States, where there were about 10 per cent less than a year ago.

**Record Chick Production in December**—Salable chicks hatched by commercial hatcheries during December 1938, were 56 per cent greater than in 1937 and the highest output on record for the month. Eggs set during the month were 43 per cent more than December 1937. Advance orders for January or later delivery were 35 per cent more than orders booked on January 1 a year ago, which, in turn, were 18 per cent larger than those of January 1, 1937.

## ORGANIZATIONS

**Spalding Elected President of Bradco**—H. A. Spalding, Canton, Pa., recently was elected president of the Bradco Egg Producers Cooperative, Towanda, Pa., Gilbert M. Burr, Tunkhannock, Pa., former president, was elected secretary. Harry L. Stevens, Monroeton, Pa., was re-elected vice-president, and Lester E. Mallory, Ulster, Pa., was re-elected treasurer.

**Rieck Heads Maryland Council**—Harry H. Rieck, Preston, Md., was elected president of the Maryland State Poultry Council at the annual meeting of this group in Baltimore, January 11. Other officers elected were John W. Snoddy, Lanham, vice-president; Mrs. W. W. Hopkins, Cordova, second vice-president; Wade H. Rice, College Park, secretary; and J. J. Cowan, Bowie, treasurer.

**Conference on Egg Prices**—Market men, government representatives and poultry producers will meet at the Hotel Carter, Cleveland, Ohio, on February 1 to consider the present egg situation and the possible means of increasing egg consumption through relief purchases.

The National Poultry Producers' Federation requested that the U. S. Department of Agriculture call the meeting.

## EGG CONSUMPTION

**Announce Essay Contest Winners**—Irene Hoffman, 74 N. Clinton St., Doylestown, Pa., won first prize of a fully paid trip to the World's Poultry Congress in Cleveland, or $50 in cash, in the "Eggs for Health" Contest sponsored by the Pennsylvania Egg Promotional Committee. Ruth Barr, 4237 Haldane St., Pittsburgh, Pa., won second price of $25; Marjorie Coll, 414 Connor St., Pittsburgh, Pa., placed third, winning $10; and Jane Brosclus, R. D. 3, Coraopolis, Pa., won fourth prize, $5.

**Chain Drug Stores Plan Egg Drive**—The National Association of Chain Drug Stores have set aside the three weeks, March 15 to April 9, for an extensive egg consumption campaign to help cut down on the usual heavy egg surplus at that time of the year.

## MARKET STRIKE

**Union Workers Strike in New York Poultry Markets** — The Schochtim strike in New York City live poultry markets,

C. W. Whitmoyer, of Whitmoyer Laboratories, Inc., Myerstown, Pa., manufacturers of a complete line of poultry disinfectants and poultry medicinal products, is shown here in his company's booth at the Pennsylvania Farm Show. The display of Whitmoyer products aroused considerable interest and attention among poultrymen at this record-breaking agricultural show.


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Are your hens "laying down" on the laying job? Mix Dr. Salsbury's Avi-Tone in the mash and notice the difference. Cost is low; a few extra eggs will more than pay for it. Ideal flock treatment for large round and pin worms. Get some now. FREE: 36-page "First Aid to Poultry." Ask your dealer or write us.

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THE IDEAL FLOCK WORMER

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ARNDT, the pioneer, has designed a complete new line of SECTIONAL Batteries—simpler, more flexible and more convenient to operate. Built up like a bookcase—Brooding —Growing — Developing — Laying. Adaptable to all types of poultry houses, high or low. New line makes all others obsolete. LOWER PRICES . . . FREE—Illustrated Folder points sure way to Security and Independence. Write for it.

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*brings chicks through at lowest cost*

Wonderful, proven colony brooding system for all poultry and broilers. Warm in coldest weather. Safe, sanitary. Takes place of $50.00 brooder house—capacity 150 chicks. Few cents weekly runs it. Build it yourself, quickly, easily as thousands have. Endorsed by leading poultrymen everywhere. Plans, heater $4.25 postpaid. Write for illustrated, free folder. R. L. Beck, Box A3, Sullivan, Wis.



*MORE $$ from* MAKOMB "MagicBelt" HEN CAGES *and* BROILER PLANTS

Great new Laying Cages with Magic Belts —easy erection—massive frame—perfect design—more convenience—more capacity in any building and—low prices. Also Magic Belt Finishing and Developing Batteries—Broiler Plants, Heaters, etc. Magic Belt cuts your labor in half. Big folder mailed free—Write today.

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**STOP YOUR BABY CHICK LOSSES**

Raise 2 pound broilers in 8 weeks—buy or hatch your chicks earlier and get higher prices. You can if you have a Martin. Monroeville (O.) Hatchery writes—"Raised 97 per cent." A. J. Swineford writes—"Had 2 lb. broilers in 8 weeks." Mrs. W. Leffler writes—"Expect to buy another Martin in the spring." Brooding chicks in a Martin is safer, easier, surer. FIRE-PROOF, rat and weazel proof, sanitary, dry, warmer—even in zero weather. Stove in center, no corners—prevents crowding.

**Permanent Violet Ray Windows** insure faster, healthier growth. The Martin is ideally ventilated—no drafts. Sizes, 500 chicks and up. Shipped prepaid freight, knocked down —easy to put up. Lasts a life-time. Send for illustrated folder and easy-payment price on new, improved design, just out. Includes many new and exclusive features. Write quick.

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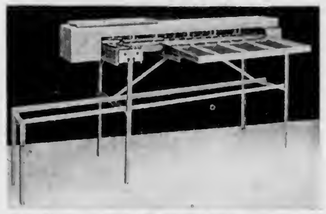

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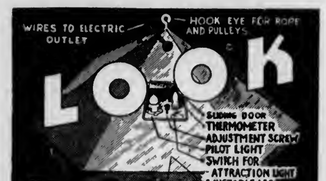


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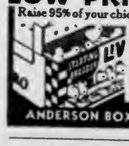

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TRUSLOW POULTRY FARM, Box 14, Chestertown, Md.

This up-to-date laying house at Fairport Hatchery & Poultry Farm in New York state, is an indication of the present trend in the Northeast toward construction of multiple story poultry houses. It accommodates part of the 13,000 Fairport breeders.

which started January 9, remains unsettled through January 18, has caused sympathy strikes among union unloaders in slaughterhouses, those who attach plumbas, pluckers, bookkeepers, slaughterhouse salesmen, weighmasters and carmen, and patent car unloaders. No violence or disturbance has been evident.

## TURKEY DAY

**"National Turkey Day,"** established two years to encourage consumption of turkeys over a longer season, will again be held on Washington's Birthday, February 22.

## LEGISLATION

**New Egg Bill Introduced**—A new bill to amend the Tariff Act of 1930 has been introduced in the House of Representatives, Washington, D. C., by Representative Hull of Wisconsin, proposing tariff duties of 30 cents a dozen on shell eggs, 22 cents a pound on whole eggs and egg products frozen or otherwise preserved, and 30 cents on dried whole eggs and egg products.

## MISCELLANEOUS

**Finds Gold Nugget in Christmas Turkey**—While cleaning her family's Christmas turkey, Mrs. J. E. Hill, of Victoria, British Columbia, found a gold nugget in the bird's gizzard. The turkey was produced in Alberta, Canada.

**Turkey Gobbler Hatches Eggs**—A turkey gobbler belonging to Alfred Manlet, Attica, Ohio, poultryman, recently established a reputation for itself when it hatched 10 of 14 turkey eggs on which it had been sitting.

## THE TRADE

**One of the international aspects** of the poultry industry, suggests Ralph A. Gerig, Gerig's Leghorn Farm of Indiana, is the contribution made by foreign breeders to farm flocks of the United States.

On five different dates in the last 12 years, Gerig himself has imported pens and breeding cockerels from Tom Barron, Catforth, England.

With the World's Poultry Congress opening in Cleveland Ohio on July 28, 1939, we are reminded of the "common bond" that binds men and women together in their love of the beautiful and useful chicken, even though, in political philosophy, so many countries are wide apart today. This Poultry Congress will prove an important peace-time project. It is to be hoped that the flapping of many wings and the crowing chorus may help to drown out the roar of winged bombers and the enemy spirit between nations.

**Dr. R. C. Surface,** until recently Executive Secretary of the Animal and Poultry Welfare Institute of Chicago, has been appointed director of sales, education, and advertising for the Dr. L. D. LeGear Medicine Company, St. Louis, Mo. He began his new duties on January 1.

**Gasson's Poultry Farms,** Versailles, Ohio, are giving the Ohio State Vocational Agricultural Judging Team a 2-day trip to the Poultry Congress in Cleveland and also trips to the Congress for the six Future Farmers of America boys having the best records in a chick growing contest.

Hubbard Farms of New Hampshire have just erected this new 3,600-hen laying house. It is built over the Connecticut plan with some variations. The pens are 24 feet deep, but are divided into 16-foot pens, each holding 100 birds. Doors are placed in the center of each pen for ease in feeding. Says Oliver Hubbard, "We like it the best of any poultry house we have yet constructed."

This new International truck is the latest addition to the fleet of trucks used by Wene Chick Farms of New Jersey in the delivery of chicks to the train and to nearby customers. It is used to bring eggs to the central hatching plant and for the hauling of the many supplies which are needed in the operation of this large hatchery.

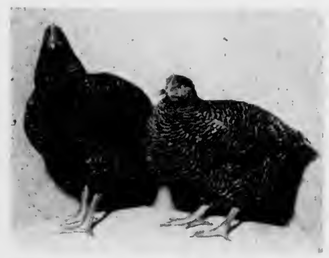
**Hubbard Farms,** breeders of New Hampshires, are devoting a full page in their 1939 catalog to the promotion of eggs and also the Seventh World's Poultry Congress. They refer to the Congress as "a billion dollar show for a billion dollar industry."

**Landis Has Novel Display**—The display of Landis Stone Meal Co., Rheems, Pa., manufacturers of a limestone grit and mineral mixture for poultry, attracted much attention at Pennsylvania's big Farm Show in Harrisburg, January 16 to 20. Their exhibit showed a farmer boy with a bell in his left hand that rang every time a hammer in his right hand smashed down upon an egg, demonstrating the great strength of an egg shell produced by a hen fed the Landis products.

**Redbird Farm** of Massachusetts continues to forge ahead, despite damage suffered in the September hurricane and in a local twister in December. A new broiler house, the largest building on a farm already famous for large buildings, has been completed. A 4-story laying house, which was caught in the December twister while under construction, is being rushed to completion.

This year, George Hagopian, owner, is offering Barred Rock chicks and also White Leghorn chicks in addition to the Reds for which he is noted. The Barred Rock flock is the outgrowth of a breeding program carried on for some years in supplying the cockerels for his Rock-Red crossbred matings. The Leghorn foundation flock was established because of the many calls for chicks of this breed, and it is his aim to make the Leghorns as outstanding as the Rhode Island Reds.

Redbird Farm has grown from a flock of 48 breeders to the largest poultry breeding farm in the world with a total of 62,000 breeders—all Massachusetts Pullorum Clean.



These Barred Rock pullets, grown from chicks obtained from the Pennsylvania Farms Hatchery, won first and third prizes respectively in their class at the Atlantic County, N. J., fair for William D. Stewart of Pleasantville, N. J. While the chicks were purchased for productive purposes, the excellent standard qualities of the stock caused Mr. Stewart to enter them in the show.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*When applied with "Cap Brush" Applicator "Black Leaf 40" goes 4 times as far!*

There's no problem to it when you use "Black Leaf 40" plus our "Cap Brush" Roost Applicator. The answer is an effective kill of adult lice, feather mites and of young lice as they hatch.

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For individual bird treatment, a drop applied with the "Cap Brush" in the feathers two inches below the vent kills body lice. A drop on the back of birds' necks kills head lice.

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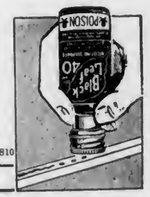


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LOOK FOR THE LEAF ON THE PACKAGE


## Worthwhile Information

If you are not making use of the poultry information offered by manufacturers serving the poultry industry, you are overlooking a profitable source of ideas. Many years of practical experience and research are embodied in this literature. Below are some of the educational bulletins and folders offered by advertisers. You can obtain them by writing DIRECT to the address after each listing.

**Eight Brooding Rules** that insure better results in starting chicks are given in the latest edition of Carey's Chick News, which can be obtained by writing to Edwin Carey, Route 2-E, Marion, Ohio.

**How to Raise 95% of Your Chicks** is outlined in eight simple rules in a folder offered by the Anderson Box Company, Dept. 85, Indianapolis, Ind.

**The Chick Book**—A 28-page book of brooding hints. Contains a complete discussion of reasons for shifting growing pullets over to egg mash at 12 weeks.—Larrowe Milling Co., Dept. D, Detroit, Mich.

**The Easy, Economical Way to Raise Baby Chicks**—A new book filled with concise information on how to start your chicks, temperature conditions, preventing losses, feeding, etc.—The Quaker Oats Co., Dept. B4, Chicago, Ill.

**Feeding for Profit**—A 16-page, well illustrated booklet, telling why feeds are being iodized. Tells of experiments in which iodine increased hatchability, stepped up egg production and hastened the molt.—Iodine Educational Bureau, Inc., Dept. EPM-2, 120 Broadway, New York City.

**How to Sell Your Litter for Fertilizer**—Tells you how to make a profit from your litter instead of it being an item of expense.—Peat Import Corp., Dept. EPM-2, 155 John St., New York, N. Y.

**Nature's Masterpiece—Calcite**—A 32-page booklet discussing the value of calcite as grit and as a source of lime for bone development and egg shell formation.—Limestone Products Corp. of America, Dept. 696, Newton, N. J.

**Feeding Poultry for Profit** — An 8-page booklet telling how corn gluten meal in the laying ration as a source of protein increased the egg yield and lowered the cost of the ration. Shows how to feed corn gluten meal.—Ration Service Dept., Corn Products Sales Co., 17 Battery Pl., New York, N. Y.

**Keen Poultry Equipment** — A 36-page catalog on equipment such as electric brooders, water fountains, feeders, a new type of float valve, brooody coops, wire traps and other items. Contains many practical suggestions as to how to use equipment to best advantage.—Keen Poultry Equipment Co., Dept. 2, Vineland, N. J.

**Infectious Bronchitis Vaccination** — This 8-page bulletin describes infectious bronchitis symptoms and the use of vaccine to control this dreaded disease. It tells how to prepare the flock for vaccination, how to vaccinate, and how to care for the flock after vaccination. — Vineland Poultry Laboratories, Box 70-C, Vineland, N. J.

**First Aid to Poultry**—A new 36-page book, unusually well illustrated, giving some general poultry pointers, but also a lot of specific information on such things as bowel troubles, colds and bronchitis, coccidiosis, fowl pox, laryngotracheitis, mycosis, worms, cholera, typhoid, paralysis, etc. Also a section of turkey troubles. Mention Everybodys when requesting a copy. — Dr. Salsbury's Laboratories, Charles City, Iowa.

**Greater Poultry Profits with Stonemo Granite Grit**—A leaflet reviewing research work on grit and telling how insoluble grit helps to maintain the health of growing and adult chickens, also how it results in greater economy on feed.—Stone Mountain Grit Co., Lithonia, Ga.

## PRACTICAL POULTRY MANAGEMENT

**By J. E. Rice and H. E. Botsford,** Cornell University. This is a book that we can recommend highly for the novice or the seasoned poultryman. It covers practically all phases of poultry management, is well illustrated and is written so anyone can understand it. The third edition is up-to-date in its recommendations. 592 pages, 319 illustrations, cloth bound, **$2.75.**

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# Science Marches On!

By Carl H. Schroeder

**Preventive management against high pullet death rate** has been under study at the Ohio (Wooster) Experiment Station for several years. Preventive procedures consist particularly of the isolation of chicks and growing pullets from older disease-carrying birds or the disposal of all chickens (so-called "depopulation") 4 to 6 weeks before bringing day-old chicks to the place and also the use of breeders 2 years old or older.

In Bulletin 592 of the Ohio Experiment Station, Kennard and Chamberlin express the opinion that "until more definite information become available, such preventive management, uncertain as it may be, undoubtedly offers the best promise for near future relief (from heavy pullet mortality)." This view is in agreement with observations made in Germany, where similar preventive measures have been used with favorable results for a number of years. At least a partial explanation of whatever measure of success has been scored by this system is due to the fact that the younger the chicks the more susceptible they appear to be to the ailments responsible for heavy first-year mortality, and conversely, the older the chicks, the more resistant they seem to be. This age factor of resistance or susceptibility seems to operate to a noticeable degree until the birds are about 16 weeks of age.

In 11 tests at the Ohio Station, "preventive management" reduced the death rate from 59 to 28 per cent and increased production from 147 to 182 eggs in comparison with similar lots which were not given the benefit of preventive management.

Chicks raised on far-away branch farms of the Experiment Station performed more satisfactorily as regards pullet livability and egg production than chicks raised on an isolated range near the Station's poultry plant, where such management precautions were taken as would generally be considered practical under commercial conditions. Repeated tests will be necessary to determine the merits of this modified preventive procedure.

* * *

**Crossbreeding for broiler production** is the title of Arkansas Bulletin No. 354 by Horlacher and Smith. Pure breeds and crosses studied were: Rhode Island Reds; White Wyandottes; W.W. male X R.I.R. female; White Leghorn; Dark Cornish male X S.C.W.L. female; Barred Rocks; White Rocks; W.R. male X B.R. female; W.R. male X W.W. female; W.W. male X W.R. female. Only the W.W. male X R.I.R. female cross demonstrated improvement appearing to be of experimental significance.

Rate of growth was definitely more rapid and less feed was required to produce one pound of gain. These particular crossbreds were white with a few black feathers and some black flecks on the white feathers.

Unfortunately, the practical value of such investigations is limited by the fact that with different strains or different individuals the results might be different. No consistent difference in fertility or hatchability was observed among both the pure breeds and the crosses. "Barebacks" were virtually limited to the Wyandottes and Wyandotte crosses.

Since the occurrence of "barebacks" was markedly greater in one of the two hatches constituting the population of these tests, retarded feather growth in this case appeared to have both a genetic and an environmental basis.

* * *

**Market quality of eggs** was studied by Alp, Ashby and Card on 109 Illinois farms. This survey, published in Illinois Bulletin 441, concludes that the best quality eggs came from confined or semi-confined flocks and from farms where cooling was done promptly after eggs were gathered. Moisture in the place where eggs were stored helped to maintain quality. Provided reasonable care is given the eggs, the hot summer weather in Illinois is no serious handicap to the production of quality eggs.

* * *

**Dirty eggs cleaned** with a solution of concentrated lye, 2 level teaspoonsful to one gallon of water for half a case of eggs, kept equally as well in cold storage as clean, un-washed eggs. In the introduction to the Missouri Research Bulletin 277, which covers these investigations, Dr. S. M. Funk observes that records on more than 66,000 eggs produced on the University Farm, show 7.3 per cent were dirty and 6.9 per cent were slightly dirty. Even under the best program of flock management some eggs become soiled.

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AMERICAN WHITES—Heavy White hybrids. Yellow skins. White eggs. Catalog explains advantages hybrid breeding. Osborne Farm, Box 36, Holland, Michigan. 62bam

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OHIO STATE UNIVERSITY

# EVERYBODYS POULTRY MAGAZINE

10 CENTS

MARCH 1939

BEWARE OF THE CHICK AUCTIONS

DIRT DOES HURT EGGS
J. C. Hutter

*Published at Hanover, Pa.*

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# This Month With Your Flock

### Delay Makes Waste

One can't repeat too often the necessity of gathering and marketing eggs often. Perishable products lose their quality rapidly. The less time to transpire between the time eggs are laid and the time they pass through the regular channels of distribution until they reach the consumer, the better they will be, the more you will get for them, the more the consumer will want.

### Put Warm Water in Fountains

Baby chicks, like older birds, will drink more water if it is warm. Don't put ice cold water in mason jars or other founts, expecting the brooder stove to warm it up in a hurry.

### Utilize the Sunshine

Take advantage of what sunshine there is during the brooding period. Have glass substitute windows in your poultry houses that will let in the ultra-violet rays. Let the chicks out in the fresh air and sunshine as soon as possible, even if you have to scrape snow away. Many poultrymen find sunporches valuable to let the chicks out in the open as well as cut down on diseases.

### Check the Length of Day

With longer days coming along, you can cut down on the amount of artificial lighting necessary to provide a 13-hour day for your hens. It's wise to cut out the electric lights gradually.

### Don't Let Mash Spoil

Moist mash is likely to spoil if the birds don't clean it all up at one feeding. Give just enough that the birds will eat it all in 20 or 30 minutes. Stirring the feed daily and

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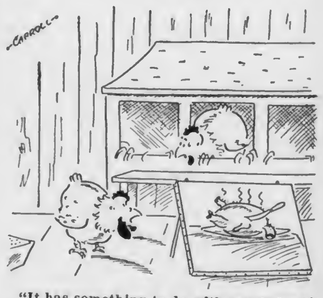


"It has something to do with psychology! I think it's supposed to increase production."

# Through the Editor's Specs

### Another Plan to Help Farmers

A number of senators and congressmen down in Washington, D. C., are coming forward with another plan to help the farmer. They want the government to guarantee the farmer the cost of production on all of his crops that are produced for consumption in this country. There is to be no government restrictions on the acreage that is to be planted.

This plan has no more merit than a lot of the other schemes that have been tried in recent years and which have complicated the farm problem still further by interfering with the law of supply and demand.

Regardless of what might be said about the plan, it is essentially a price fixing measure. If the government were to guarantee the poultry raiser would at least get his production costs, there would be no end of expansion until the day of reckoning which comes on all price fixing measures. Government crop control and price fixing may produce very temporary benefits, but no one can point to long time success of such schemes in connection with crops that are not of a monopolistic type.

### Perpetuating Surpluses

There is a lot of merit in the argument that government purchases of eggs for relief open new outlets among people who are not regularly using eggs. Such people may become more regular users of eggs after they no longer need government assistance. Furthermore, eggs represent an economical food buy at almost every time of the year, and there is no reason why they should not be included in the diets of those who are receiving assistance.

But the mere fact that the government is buying up butter, cotton, citrus fruits and other farm products is no reason why the poultry industry should take on a hurt expression and say that it has been slighted because of the failure of the government to buy eggs.

Although government buying of farm commodities is done for the purpose of relieving a condition of surplus, results in the past seem to indicate that it merely serves to perpetuate the surpluses.

### Poultry Congress Quotas Short

Only four states have met or passed their quotas in the membership drive for the Seventh World's Poultry Congress, according to the latest information. They are New Hampshire, New Jersey, Oregon and Washington in that order. Maine is not far from its quota. But only 16½ per cent of the membership quota for the entire United States has been reached.

When the previous Congress was held in Germany, it was staged with that efficiency characteristic of the German people. But it was a government affair — planned, financed and managed by the government.

In the United States, however, the government is participating in the Congress, but the event is being managed by the poultry industry which is supplying the funds to make it a success. While there may be some disadvantages and inefficiencies in our way, it is only natural in a nation where we look upon the government as a servant rather than a master of the people, that the poultry industry should manage this great event.

There is hardly any question but that the Seventh World's Poultry Congress will attract huge crowds to Cleveland. The immediate job ahead, however, is the raising of the neces-

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MARCH 1939 **Everybodys Poultry Magazine** Vol. 44, No. 3

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.; Roland C. Hartman, Editor; Thomas E. Moncrief, Asst. Editor.

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# New Hampshire Chick and Egg Show

## *8,000 Attend This 3-Day Event*

By R. B. Alleman

Here are the chick judges. From left to right: A. E. Tepper, L. M. Black, H. H. Kauffman, and Roy E. Jones, making a preliminary examination of the chicks.

I LIKE New Hampshire most—not for its beautiful countryside and picturesque mountains—but for the spirit of its people. The three days I spent in Concord early in February as a visitor to the Eighth Annual New Hampshire Egg and Chick Show was an inspiration. To see these poultrymen, all of them competitors, working together for the success of a common cause gives you at once the reason for the prominent position they occupy in our national picture. These men can sit down at a counsel table and plot a course of group action which gets things done.

Two things made this show outstanding. They were interest and enthusiasm. Never before had I listened to so much discussion on the varying qualities of chicks and eggs. On Thursday (the big day), folks stood three deep in the aisles, peering over shoulders to see the exhibits. More than 8,000 people visited the Armory during the three days the show was in progress.

A novel stunt (and may we hope it will be imitated by other show committees) was the store window display contest. Thirty-four retail outlets, including restaurants, drug, grocery, and delicatessen shops competed for prizes on special egg displays in their windows. It was just an idea, costing nothing, yet egg sales in these stores increased from 25 per cent to 300 per cent for the week.

Here is a partial view of the egg and chick show held in the state armory at Concord, N. H. Beautiful flowers decorated the long tables of chicks and eggs and made an attractive display. There were fifty commercial displays, related to the poultry industry, in the hall.

One of the features in connection with the egg and baby chick show was the egg display contest among 34 stores in Concord. The N. H. Poultry Growers' Association and the New England Fresh Egg Institute sponsored the contest. Prizes totaling $50 were given. This is the prize winning display. Plans are being made for another contest in 1940.

New Hampshire's Governor and the members of the Council inspected the eighth annual baby chick and egg show. From left to right in the front row: Orin V. Henderson, Durham; Thomas A. Murray, Manchester; Gov. Francis P. Murphy; George F. Rolph, Concord; and Andrew Christie. Back row: Henry L. Stevens, show superintendent; Dr. R. C. Bradley; Arthur T. Appleton, Dublin; Grant Jasper, Hudson, association president; Charles Patten, state comptroller; George Gove; T. B. Charles.

The New Hampshire boys had their busy chief executive address a public meeting on Thursday afternoon. He had been made well acquainted with the needs of the poultrymen in his state. He praised their work and pledged his full support to their cause. He expressed the hope that all who could would plan on attending the forthcoming World's Poultry Congress to be held in Cleveland in July.

Nine hundred and fifty-seven dozen eggs were displayed. The double-yolk and Turkey classes attracted much attention.

Two hundred and ninety-one entries of 25 baby chicks each and seven entries of ten turkey poults each competed for ribbons and silver cup awards.

A special feature of the show was the broiler production class of 77 entries of 25 baby chicks each. The sweepstakes cup was awarded for the entry of chicks making the greatest gain in weight for the 53-hour period. All entries were weighed in at 9 a.m., on February 8 and then weighed out at 2 p.m., on February 10.

### Grand Sweepstakes to Sargent

The Grand Sweepstakes cup, donated by Beacon Milling Company, for the highest combined score on eggs and baby chicks, went to H. F. Sargent, Plymouth, N. H., who had a total of 197 points.

### Winners in Adult Egg Classes

Winners of the sweepstakes cups in the various adult egg classes were as follows: George C. Gove, Raymond, N. H. (4 awards); A. G. Fuller, Fremont, N. H. (2 awards); Andrew Christie, Kingston, N. H. (2 awards); H. F. Sargent, Plymouth, N. H.; H. S. & M. E. Twichell, Exeter, N. H.; Nedlar Farm, Peterboro, N. H.; Holser's Valley Farm, Troy, N. Y. (2 awards); W. E. Marshall & Sons, Penacook, N. H.; R. H. White, Concord, N. H.; and Peter Crafts, Grasmere, N. H.

### 10-Dozen Egg Class

The Tri-Grange Egg Trophy for the best 10-dozen entry of eggs was won by the McClary Grange, Epson, N. H., with a score of 939.75.

### Chick Show Awards

**Breeders' Class** — H. F. Sargent, Plymouth. Cup donated by the New England Poultryman.

**Pullorum Clean Class**—H. F. Sargent. Cup donated by Cackle & Crow.

**Pullorum Passed Class**—Andrew Christie, Kingston, N. H. Cup donated by Leon C. Calef. [To page 12]

Here are the judges with their assistants at work on the eggs. There were 957 dozen in 17 classes, representing the entries of 316 persons. The average score for all eggs was 91.92 points.


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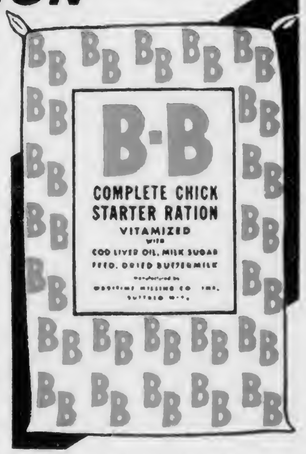


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Lind Bros., of Lyons N. Y., write "Started 1000 chicks on B-B and at 7 weeks the Rhode Island Reds weighed 2¼ lbs. each, at 4½ months they weighed 7 lbs. each, the nicest lot of birds we ever raised."

Poultrymen who feed B-B Complete Starter Ration give their chicks the necessary foundation on which to build big, vigorous, profit-paying layers. And when the Complete B-B Poultry Feeding Program is followed, they are assured of more eggs and more profit. You, too, will make more money by feeding B-B!

**Maritime Milling Co., Buffalo, N. Y.**

# Cleveland Egg Conference

## Favors Federal Relief Purchases

By Roland C. Hartman

EPM Photo

Here are men who presided at the egg conference in Cleveland. They are, from left to right: Hobart Creighton, representing producers; W. D. Termohlen, U. S. Department of Agriculture; and Ralph Hurst, representing the marketing group.

*Government to watch egg market closely to determine if it should start to buy*

REPRESENTATIVES of producers and market men, meeting in Cleveland on February 1, recommended that the government buy eggs for relief distribution. The meeting was called by the U. S. Department of Agriculture on request of Hobart Creighton, president of the National Poultry Producers Federation.

The producers group, consisting of about 20 individuals, and the market group, which comprised more than 100 individuals, held separate meetings in the morning, coming together for a joint session in the afternoon to go on record with a resolution to the effect that they were "not opposed to government buying of eggs for relief purposes, provided that such buying be only in such quantity as can be promptly distributed for consumption, and then only by a well supervised method which will eliminate waste."

The resolution was definitely of a compromise nature, for the market men in their morning session, were "unalterably opposed to the government buying eggs for the purpose of influencing the market price."

The producers, on the other hand, had urged that the government be prepared immediately to buy eggs for relief purposes only, offering the opinion that eggs should not be more than 1 cent a dozen lower than on the corresponding day of a year ago.

A sharp decline in egg prices early in January was the reason back of the request that an egg buying conference be held. Prices of eggs in many sections of the Midwest had dropped to 12 and 13 cents a dozen. Farm flock owners in those sections were cancelling chick orders.

Sentiment among the producing elements was by no means unanimous that the government step into the egg market. The Pacific Coast co-operatives were solidly opposed. A number of eastern organizations that had had an opportunity to consider the matter had voted against government entrance into the egg market. The representative from the Southeast felt that government buying might prevent a further decline because of the psychological effect, but he didn't believe that too much government interference was desirable, judging from the mess it had made of cotton.

### Hatcherymen Want Buying

The strongest demands for government buying came from midwestern hatchery representatives who were of the opinion that low egg prices at this early season of the year would be very harmful to producers and squeeze many of them out of business. Expressing themselves strongly, their views dominated the meeting, and the other representatives of producers took the disposition to "ride" along.

Arguments favoring government buying shaped up into the following five points:

1. January egg production was abnormally high because of extremely mild weather. Flocks that ordinarily don't lay in winter because of poor care were producing eggs.

2. Egg storage holdings in January were below what they were a year ago, hence, there seems to be no plausible reason why the egg market should be weaker.

3. Traders in eggs were deliberately hammering down egg prices in order to make greater profits for themselves.

4. Low prices early in the year would force many poultry producers out of business.

5. The government is buying grapefruit, butter, peanuts and other farm products for relief distribution, so why shouldn't it buy eggs?

### Early Production Has Increased

There is no question but that the production of eggs in January was heavier than it was a year ago. In fact, receipts of eggs at the four leading markets (New York, Chicago, Boston and Philadelphia) for December were 8 per cent above a year ago. Laying flocks on January 1 were 6 per cent larger than a year ago, were laying at a rate of 8 per cent greater than in January 1, 1938, and 42 per cent greater than the 10-year average for that date.

When producers requested government buying of eggs in the spring of 1937, the argument was advanced that abnormally mild weather was responsible for the heavy lay. The same argument was advanced again in 1938 when there arose a demand for government buying, and it was brought forward once more this year.

Since the mild winters seem to outnumber the cold winters, it might be

[Please turn to page 37]



# Beware of the CHICK AUCTIONS

**Unless you are of a gambling nature, don't buy auction chicks, because you will likely buy a lot of trouble. They may be chicks that have been hauled around for days, or you may get all cockerel chicks for "straight run." It's a losing game all around.**

By E. J. Lawless, Jr.

THE other week over in Lancaster County, Pennsylvania, John Goodfield—that's not his real name, of course—decided to visit one of the rural auctions where almost everything may be bought or sold. He was after a piece of equipment that would make some of his farm work easier.

At the auction sale, Farmer Goodfield had no trouble finding what he wanted. He paid his money, pleased with his purchase, and was about to start home when he noticed quite a bit of activity at one point in the auction building. He went over and joined the group, discovering that baby chicks were being sold at prices that seemed unusually low. As a matter of fact, $3.50 to $4.00 per hundred for baby chicks was lower than he had ever seen before. Believing that here was a real opportunity to save money, he started to bid on a group of chicks, and very quickly he found himself the proud owner of what appeared to be a real bargain.

Then came the trip home, the preparation of the brooder house and finally placing the chicks under comfortable conditions for the night. The only disappointment that evening came when he discovered that several chicks had died on the way home. The big surprise came the next day during the morning chores, which included the new arrivals, that many chicks had died during the night. The house was clean, the brooder stove was alright, yet there was mortality. It was only a few days until the economical purchase was a total loss.

### Buying Chicks in the Dark

This is not an isolated case. It happens to many people every week during the hatching season. When prices range from 25 cents to $9.00 or $10.00 per hundred with an average of approximately $3.50, one can readily understand why people insist on taking chances only to be disappointed with the results.

Then too, all sorts of claims are made for the chicks that are sold. These claims include blood tested, free from disease, pure bred, straight run and many others that the seller thinks will appeal to the buyer and possibly bring more bidders, resulting in higher prices.

### Chicks That Go to Auction

As a rule, most people do not realize just what auction chicks are and the kind of treatment they receive before new owners take possession of them. Auction chicks are surplus chicks, which means that someone over-set his incubator and more chicks were hatched than were necessary to cover all orders. Of course, many hatcheries book orders based on a certain percentage of hatchability, and if the actual hatch exceeds that percentage, they are bound to have extra chicks. These are surplus chicks, but if the hatcheryman is careful, he usually has some place to care for these chicks and they do not find their way to the auction markets.

### May be the "Help-Outs"

One hatcheryman has frankly admitted that often times hatches are delayed, and many chicks must be helped out of the shell. These chicks are salvaged and find their way to the auctions. These chicks are weak to begin with and then they are transported by rail or by truck many miles before they are disposed of. Should one auction sale be unsuccessful, there are others, and the chicks are loaded on trucks to be offered for sale at a new location.

Sometimes, days will pass before all are sold, and in the meantime, these chicks have been sadly mistreated. Chilling, overheating, no feed or water, all contribute to heavy mortality. Those that die are simply removed from the boxes that started out with 100 chicks and the buyer receives what is left in number which are rundown physically.

The seller often times has no stake in the chicks he offers for sale. He receives them on consignment and is satisfied to sell them at any price just so long as he receives his commission, regardless of whether or not the hatcheryman receives anything. Hatcherymen forward chicks to dealers with instructions to sell them for what they can get.

One man in the eastern section of Pennsylvania purchased 50 chicks for $1.25, took them home and within

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# Better Brooding Results

## With Common Sense Methods

### *How George Gove Starts His Barred Rock Chicks*

By Thomas E. Moncrief

George Gove

IF you were to ask George Gove of New Hampshire what are the secrets of successful brooding, he will tell you that they include (1) starting with good chicks, (2) using a good feed, and (3) following common sense methods. He ought to know, because every year he broods from 10,000 to 12,000 Barred Rock chicks with a loss of less than 2 per cent.

Those common sense methods, which enable Gove to bring his chicks through with such an insignificant loss, are what will interest you. So let's start from the beginning.

#### Prefers Large Brooder Houses

George Gove broods his chicks in 12 by 12 colony houses and also in a 24 by 24 hen house. He likes the large house best. It saves a lot of labor, especially in bad weather when the chicks need more attention. He puts two brooder stoves in the 24 by 24 house and starts from 600 to 800 chicks. Only 250 chicks are placed in a 12 by 12 colony house.

None of the houses in which Gove does his brooding have ventilators. They are open front houses with muslin curtains, and the amount of ventilation is regulated by adjusting the curtains. He believes in plenty of fresh air to prevent dampness and maintain dry litter. Too many folks don't allow enough fresh air in their brooder houses.

Each house is cleaned thoroughly before chicks go into it. All old litter, droppings and filth are removed. This is then followed by the use of a fire gun. Every inch of floor space and the walls up to a height of several feet is subjected to the intense heat which kills disease germs, even the highly resistant coccidiosis organism. To guard against any possibility of fire, water is kept handy and the operation of the fire torch is discontinued two hours before leaving the house.

#### Guards Against Fire

A sheet of galvanized metal is placed on the floor at that spot where the brooder stove is to stand. Gove points out that a wood floor under a brooder stove will dry out and sometimes it doesn't take much overheating for the stove to burn its way through the floor and destroy the entire house.

After the stove is placed in the house, a thin layer of sand is spread over the entire floor. This is done mainly to simplify the cleaning job later. Droppings won't stick so readily when the floor is covered with a layer of sand. A sugar cane litter is used, and it covers the floor to a depth of 2 inches.

The brooder stove is operated for two days before the chicks are placed in the house. This is sufficient time to see that it is operating smoothly and to regulate the temperature, so that it is between 85 and 90 degrees at the edge of the hover about 2 inches from the floor. Like most experienced poultry raisers, Gove regulates the temperature by the actions of the chicks, guided by their location around the hovers at night. He reduces the temperature as rapidly as possible after the first week, because lower brooding temperatures build stronger chicks.

#### Sets Up Chick Guard

During the first three days of brooding, a chick fence or guard, made of hardware cloth or corrugated board, is set up around the stove about 2 feet from the edge of the hover to acquaint the chicks with the source of heat, so that they will know where to go to get warm.

As a usual practice, Gove places his chicks in the brooder house 24 hours after they are hatched. Feed and water are usually given to them immediately. If they are put out the same day that the hatch comes off, they are given water immediately, and the first feeding of starting mash is held over until the next day. Gove explains that chicks which do not get water soon enough have a tendency to shrink up and not do as well.

A view of some of Gove's Barred Rocks out on range with development well along.

#### First Feed Placed on Papers

The first feedings of mash are placed on newspapers. On the third and thereafter, the mash is hopper fed. Gove aims to feed the mash sparingly the first few days. He starts some of his chicks on grain, but he sees no particular difference when grain or mash is used during the first few days.

Because most of his brooding is done in the winter months when the ground in New Hampshire is covered with snow and the temperature may drop down to 20 degrees below zero, Gove really has to practice confinement rearing, at least, until that time in the spring when the weather moderates and the young stock can be placed out on range. The very earliest broods of chicks may not get out on range until 12 weeks of age, while those that are started later may be transferred to the shelters when only eight weeks of age.

Although confinement brooding is practiced by more and more poultry raisers, it is still quite a risky business for many of them. Feather picking and cannibalism as well as stunted growth are some of the troubles that are most frequently encountered. What appears to be a promising lot of chicks can be turned into a miserable looking bunch in a short time.

#### Cooler Temperatures Favored

In the opinion of Gove, most of these troubles are due to crowding of the chicks—trying to raise too many in one brood — and maintaining too high a temperature. The matter of temperature can be controlled by adjusting the thermostat on the brooder and by increasing the amount of ventilation. Cooler brooding temperatures result in more rugged birds.

#### Litter Turned Over

The litter in the brooder houses is turned over frequently to keep it from packing. As long as it remains dry, it is not changed during the brooding period, nor are any additions made. If the litter becomes damp, it is changed.

#### Does Not Use Roosts

One practice, rather common among broiler growers, but not among most poultry raisers, is the absence of roosts in the brooder houses on Gove's farm. No effort is made to get the chicks to learn to roost until they are transferred to the summer shelters. Then, they seem to take to the roosts quite readily rather than to sit on the wire floors of the shelters.


TOMORROW'S *Layers*

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*Don't* take chances.

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**Beacon is a Complete Ration**

It is a complete ration for the first six weeks except for water and a little grit (plus grain after the sixth week). It is simple to feed. Helps to eliminate digestive trouble, improper growth and high mortality due to feeding too much or too little chick grain.

Every ingredient in Beacon Complete Starting Ration provides a specific kind of nourishment in scientifically proportioned amounts. And remember, no fillers or by-products with low nutritive value are ever included.

See your local Beacon dealer for full information about this feed as well as the Beacon System of feeding and management.

**THE BEACON MILLING CO., INC. • Cayuga, N. Y.**

**The BEACON SYSTEM**

# Dirt Does Hurt

*Egg buyers can obtain dirty eggs at a lower cost than clean eggs of the same size and quality, but clean eggs have more sales appeal, and they do keep vastly better.*

**By J. C. Huttar**

EPM Photo

More frequent gathering of eggs will help to reduce the percentage of dirties. Making the first rounds of the nests earlier helps.

BELIEVE it or not, there are still folks producing eggs for market who'll claim that dirt doesn't hurt a market egg. Now isn't that silly? Although most of us agree it is, there aren't too many folks who know just how or why or how much dirt hurts.

When I was taking care of several thousand hens and myself producing eggs for market, even though I knew better, I begrudged the time we spent removing dirt and stains for some fussy old egg dealer. I repeat, that even though I knew better, the idea kept crowding forward in my head, that the folks who actually eat the eggs don't give a continental whether the shell is clean or a little dirty as long as the inside is fresh and tasty.

Unfortunately, this is partly true. But, still more unfortunately, it is not sufficiently true to furnish much of a market for these slightly dirty eggs. At least not at good prices.

When I shifted positions and had the job of marketing over a hundred thousand cases of nearby eggs a year, those weak moments I had, when I was producing eggs, came back and hit me in the eye. And I really mean hit me in the eye. Because, when you have to sell a slightly dirty pack of eggs in competition with a clean one, it's something like having to box Joe Louis with one eye closed. When you lift the lid of a case of eggs to display to a critical customer and the top layer is spotty with dirt and stains, it really hits you in the eye.

"Aha," you say, "this fellow Huttar has become just another egg man."

### Why Pacific Eggs Are Liked

"Is that so," I answer, "well, tell me this—did you ever hear of Pacific Coast eggs? And did you ever see a case or a carload of them on one of our Eastern markets? And have you ever seen a stained or dirty egg in a case or a carload of them? And have you noticed the prices these three weeks old eggs bring in relation to our best three day old eggs here in the Northeast?"

But you've got a come-back for that. You say, "Oh, that's just a retailer's prejudice. The housewife or other consumer don't pay much attention to a little dirt."

Having never done much retailing of eggs myself, I suppose I should admit you've got me there. But I'm simple-minded enough to believe what a lot of retail and chain store customers tell me on this subject.

They say something like this, "Spinach that is wilted a little is just as good to eat as nice crisp spinach. After it's cooked you can't tell the difference. And oranges that are just a little green or yellow in spots are just as sweet and juicy as those which look uniformly orange in color. Most oranges are picked green for our Eastern markets anyway and then artificially colored through a chemical process. But Mrs. Housewife will pay more for the crisp spinach and the nicely colored oranges and the clean eggs."

Even a stronger argument to me, however, is this fact. I know that these egg buyers can get dirty eggs much cheaper than they can clean ones of the same size and quality any day in the year. And they don't.

Sales appeal or eye-appeal or whatever you want to call it is one argument against dirty market eggs. The other is keeping quality.

Science and experience have proven that dirty eggs don't keep as well as clean ones. The reason for this is that in the dirt which clings to the shell there are bound to be bacteria or germs. If the dirt is real wet when it gets on the egg, some of these germs are apt to enter the egg through the pores of the shell almost immediately. If it is not too wet it may take a little longer. These germs develop quickly once they get inside the shell and some form of egg spoilage takes place.

In the marketing of most Pacific Coast or Mid-Western eggs, the dirty eggs are separated from the clean ones. This is particularly true during the spring months. Nothing like that is ever done with our nearbys. They are either washed or cleaned in some other way if they were dirty when gathered or they are left dirty when packed with the clean ones. That's why marketmen fight shy of nearbys for storage purposes. That's why our nearbys are usually at the greatest price disadvantage in the spring months.

### How to Produce Clean Eggs

Assuming that I've sold you on the idea that it pays to send clean eggs to market, probably you expect me to give you a few ideas on how best to accomplish this. I'll be glad to do so and I want to say that in getting these ideas, I talk somewhat from personal experience and even more from the experience of hundreds of good poultrymen which my work forces me to visit each year.

The right thing to do is to gather clean eggs from the nest. Oh, I know it's impossible to do this 100 per cent. But I also know that some folks have to clean more than half of their eggs and others clean less than 15 per cent. The things which make eggs dirty are dirty feet, dirty nest material or none at all, blood from the hen that lays the egg or droppings which a hen deposits while she is in the nests.

Hen's feet get dirty out on the ground, in dirty, wet litter or on the droppings boards. If you keep it dry around the hen house or don't let the birds out on wet days, you've taken care of that. If your house ventilation is right and you change litter when it gets dirty or too wet, you've taken care of that. If you screen your droppings boards so that the birds can't walk on the droppings, you've taken care of that.

### Deep Nests Preferred

The finer materials such as shavings, sawdust or peanut-hulls are much better than hay or straw for keeping eggs clean in the nest. Maybe you'll have to patch up some of your nests or put an egg flat in the bottom of a few to keep the small stuff from leaking out. Nests should really be made at least 7 inches deep from the place the bird gets in to the bottom of the nest. This is so that you can put in at least 4 inches of nest material and not have it kicked out all the time. Bare-bottom nests produce more dirty eggs and more cracked eggs. Finally, the oftener you gather the eggs, the fewer dirty eggs you'll have. Try it and see.

### The Right Way to Clean Eggs

In spite of all this you'll still get a few dirty eggs. These should be cleaned as I spent a lot of time trying to show you above. There's a very simple rule to follow in doing this.—Use as little water as possible to get them clean. A knife, a piece of steel wool and a damp cloth with some Sapolio or Bon Ami like material should be your full equipment.

Dirt does hurt, so produce them as clean as possible and shine up the rest. It's the only way you can hope to get top prices.

---

## How to Get More *Clean Eggs*

**1. Keep the litter in your hen house dry. Don't let the birds run outside when the ground is muddy.**

**2. Change the litter when it gets dirty.**

**3. Screen the roosts to keep the hens out of the droppings.**

**4. Have deep nests with at least 4 inches of nesting material in them.**

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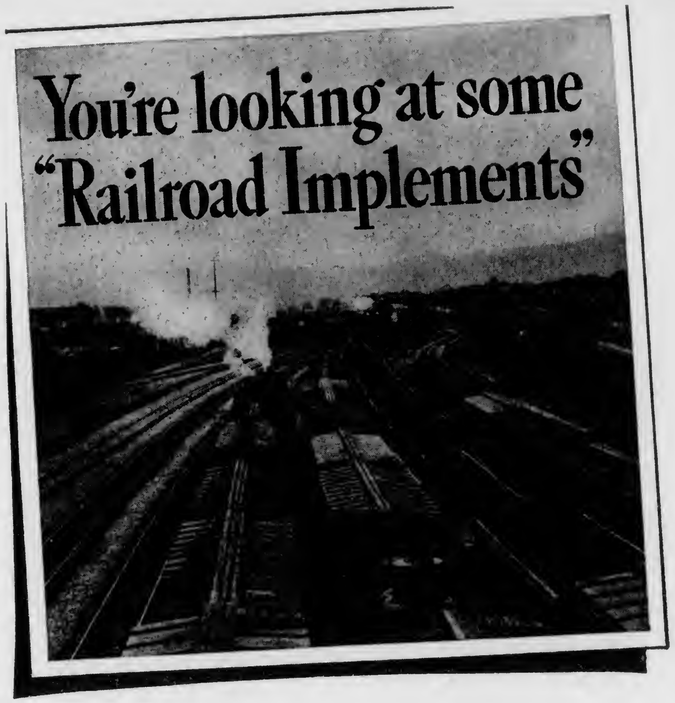
"What's this I hear—you casting remarks about my relations never takin' a bath!"


AMERICAN farmers have three and a third *billion* dollars invested in "farm implements," such as plows and harrows, cultivators, tractors and combines.

Now the railroads have "implements" too. You know them as box cars, cattle cars, passenger cars, locomotives and things of the sort. And the railroads have about five and a half billion dollars invested in such equipment.

You might think, with this investment, that new purchases would hardly be needed.

But it's just like farming. And with all their implements, American farmers bought half a billion dollars worth of new equipment in 1937.

So, the railroads, in order to keep abreast of the times, must also buy new "implements." In the past ten years ending with 1938, they spent an average of about 165 million dollars per year for additional equipment.

This money has brought several advantages to shippers such as you. It has increased the pulling power of locomotives, for instance, 17%. It has helped to increase the carrying capacity of freight cars. It has played a part in increasing the speed of freight trains 50%.

But the railroads' job, like that of the farmers', is never finished—and if the railroads are to keep on doing the best all-round transportation job in the world they need to keep on replacing old "implements" with new ones. If they had the money they could spend to advantage at least one half billion dollars a year for the next five years just for new "railroad implements."

All of which means, the railroads need a fair chance to earn a living, so they'll be in good shape to move farm products to market when you want them to go.

A program of Federal and State legislation looking toward giving the railroads that fair chance to earn a living is outlined in a recently published booklet called, "For Better Times—A Square Deal in Transportation." Write for a copy.

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If you place your order 4 weeks in advance of delivery date, deduct ½¢ per chick from above prices. 1¢ deposit per chick must accompany your order. All Shipments Parcel Post Prepaid—100% safe delivery guaranteed. Hatches every week. Will ship C.O.D. on request.

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"Run get my glasses dear — Mama's hunting for the spinach."

## *New Hampshire Chick and Egg Show*

[Continued from page 5]

**Hatcherymen's Class**—Young's Poultry Farm, Dover. Cup donated by Eastern States Farmers' Exchange representatives.

**Record of Performance Class** — Goodwin's Poultry Farm, Hollis. Cup donated by Quaker Oats Co.

**Approved Class**—A. G. Fuller, Fremont. Cup donated by St. Albans Grain Co.

**Novice Class**—Ray P. Potter, Medway, Maine. Cup donated by the New Hampshire Poultry Growers' Association.

**Turkey Poult Class**—Archie L. Mackie, E. Kingston, N. H. Cup donated by Turkey World.

**Broiler Production Class** — Hubbard Farms, Walpole. Cup donated by Everybodys Poultry Magazine.

## Worms Cause Most Damage

Intestinal parasites were the cause for more poultry deaths during 1937-38 than any other one single thing, according to the report of the Poultry Pathology Laboratory, Ottawa, Canada. Of 1,122 post mortems made during the year, 13.90 per cent of the deaths were due to worms. Worms caused their greatest damage from May to October when most poultry gets out on range.

Peritonitis stood second in importance, causing 11.85 per cent of the deaths; leucosis was third with 9.18 per cent; and cannibalism was fourth with 9.00 per cent.

## Build Wall Above Ground

When you construct or remodel your poultry buildings, continue the foundation wall at least six inches above the ground level and the floor line so that sills and plates will be out of reach of floor or ground moisture, warns W. C. Krueger, New Jersey agricultural engineer. Posts extended below the ground line are likely to rot and provide good places for termites to do their damage.

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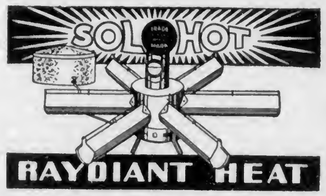


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## Tumor Losses Heavy

Tumors were the number one cause for deaths at the Central and Western New York Egg-Laying Tests during the six years, 1931 through 1937, accounting for 19.2 per cent of all deaths. Impacted oviducts ranked second, causing 11.1 per cent of the deaths, and so-called big liver disease was the reason for 10.4 per cent of the deaths. Prolapsus of the oviduct (pickout), internal laying, ruptured yolks and fowl paralysis were the next most important causes for deaths.

## *A Brief Breed Story*

### The New Hampshire

The origin of the New Hampshire probably goes back as early as 1900, but the real development of the breed began about 1917 when the late Prof. A. W. Richardson became head of the poultry department of the University of New Hampshire and embarked upon a campaign to emphasize health and vigor in New Hampshire flocks, stressing the need for bloodtesting.

In developing health and vigor in the flocks that were producing broilers, not a whole lot of attention was paid to color, so the deep color of the Reds gave way to a chestnut red. They were interested in developing a bird that would live, grow and pay profits. Along with unusual vigor that was developed came greater egg production.

### Characteristics

The general color of the New Hampshire is chestnut red, free from shafting, mottling or mealy appearance. The lower neck feathers are tipped with black. A "washed out" appearance is not desired.

Instead of the long, rectangular shape of the Rhode Island Red, a blocky body, medium in length and broad of back, is desired. The head should have a rugged, yet refined appearance. The tail of the female is carried at a 35 degree angle and that of the male at a 45 degree angle from the horizontal level.

Body weights are 5½ pounds for the pullet, 6½ pounds for the hen, 7½ pounds for the cockerel, and 8½ pounds for the cock.

New Hampshires were admitted to the American Standard of Perfection in 1935.

### Egg Records

From 1930 to 1938, there were 2113 New Hampshires entered in the laying tests of the United States. They average 197.6 eggs per bird. The average egg weight was 24.8 ounces per dozen.

The highest individual New Hampshire record was made at Storrs in 1938 when a hen, owned by E. N. Larrabee, laid 314 eggs and scored 345 points in a period of 51 weeks.

"What About This Hybrid Corn?" is the title of a folder being offered by A. H. Hoffman, Inc., Box 320, Landisville, Pa., to answer the various questions that come up regarding the characteristics of Hybrid corn. This firm tested Hybrid corn for three years under various growing conditions in eight different states to decide which Hybrids were adaptable to eastern growing conditions.

In order to get a good Hybrid corn, it may require a dozen or more years of inbreeding and crossbreeding to obtain a combination of desirable characteristics. Heavier yield, stronger stalks, resistance to drought, resistance to extremes in temperature, greater root development and uniformity of ears are some of the traits which are causing Hybrid corn to spread very rapidly throughout the East.

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Pratts C-Ka-Gene is not a "cure," . . . not a "preventive." It is fed before and while outbreaks are likely. If germs are present on your farm, it permits chicks to get a MILD, HARMLESS case. Often careful laboratory examination is needed to prove the disease occurred. There are few, if any, losses and GOOD GROWTH IS MAINTAINED!!

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C-Ka-Gene, itself, cannot, — does not, — give birds Coccidiosis. It simply protects them, if they become infected naturally.

C-Ka-Gene is given in the feed, on a flock basis. No instruments. No training is needed. A child can feed it effectively.

Think what Coccidiosis has cost you in the past. You'll see how much C-Ka-Gene is worth to you.

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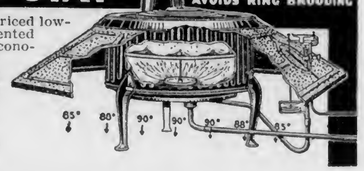


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**Bantam Record Book** — For the back-lot breeder who wants to keep a record of income and sales, exhibitions, matings, hatching results, addresses, toe-punch markings, etc. Size, 8½ by 5 in. Price, $1.00, postpaid. Everybodys Poultry Magazine, Hanover, Pa.

# Diary OF A POULTRYMAN

By P. S. White
Wayne County, Ohio

**March 1** — And Time — Well, it marches on. At least that is what George Mann, our family barber, meant today when he said the gray hairs in my head were beginning to thicken.

Only a few more weeks and chick brooding will be with us again. It seems to me that I have just about enough to do as it is without the additional work of brooding several thousand chicks. Then, too, I haven't forgotten all of the hardships of last year's brooding. Wet weather, chick-killing dog, coxy and high price feed have all left their mark in my hair.

**March 2**—Yes, March did come in like a lion, if blowing off another section of felt roof is lion-like. This morning, we had that repair job to do the first thing after the regular work was done. I am getting wise now and always keep an extra roll of roofing on hand for emergencies.

**March 3**—I claim it is a dirty trick on the part of someone when a second hand egg case containing rotten eggs is sold to an unsuspecting producer. That condition has happened to me on several occasions, but today was the dirtiest of all. Yesterday, I brought home a load of cases. There was an odor in the basement as soon as they were stored, but it reached the height of endurance this afternoon. Something had to be done. It was; I located the case. There they were halfway down in the case, 3 dozen of them, some whole, some cracked, some smashed. I opened the furnace, opened all windows, hosed out the case, and then took time out to draw a breath of pure, fresh air. "A relief," says I, "a relief."

**March 5**—Guess the wind has been too strong for the button on the feed room of the North house. I replaced it with a much larger screw and an iron washer to prevent the wood from being worn. It ought to stay put for awhile at least. We can always tell in which house one of us is by the position of the door button. If the button is vertical someone is in there, but if it is horizontal there is not.

**March 8**—Donn White tells me that there is a hen in the west house that is crazy in her head, that she tries to stand on her head, falls over, jumps up and dashed madly over the floor. Well, I don't criticize her too harshly, for I feel like running amuck sometimes myself. That was true today when I came home from town. The truck radiator has sprung a leak and things got hot quick, a full load on and I was stalled on the Warner Hill. It took the motor and I both sometime to cool off, but we finally breezed in home under our own power. I bought the truck in 1925 and it is still an awful good truck for the fix it is in. But if I am not careful, it is going to go like the "Old One Hoss Shay."

**March 9**—Top eggs are not gaining very much, not losing very much, maintaining the status quo. Feed prices are about so-so and life on the ranch goes on pretty much the same. But I don't imagine life was quite so tranquil for a chicken man over east of town when his brooder house and 500 chicks burned to the ground. I have never gone through that experience but my fingers are always crossed. A couple of days or so ago, the lamp in the waterer on the second floor of the barn caught on fire. Kid White saw it from the kitchen window and rushed out and smothered it with a wet feed bag. She probably kept the barn from burning.

"I opened the furnace, opened all windows, hosed out the case, and then took time out to draw a breath of pure, fresh air. A relief," says I, "a relief."

**March 10**—I made a chart, "Distribution of Daily Egg Production" which will be used in tonight's poultry school. This is the last meeting and will be devoted entirely to production and marketing of quality eggs. This is the summary of the chart according to our records.

| | 8 a.m. | 11 a.m. | 2 p.m. | 5 p.m. |
|---|---|---|---|---|
| Per Cent of eggs | 37 | 33 | 25 | 5 |
| Layed before noon | 70 per cent | | | |
| Layed by mid-afternoon | 95 per cent | | | |

It seems that there are too many eggs of low quality being sold, so Ralph Treat is going to emphasize such points as yolk color, thickness of the white, air cell, shell texture, gathering at least three times a day, thorough cooling before packing, packing only clean eggs and moisture in the egg room.

A chart will also be used to show the structure of an egg and one showing the results of different methods of cooling eggs. So many folks are rather timid about asking questions that cards will be passed for written questions.

**March 11**—Poultry schools are now a thing of the past in Wayne County

# CHICKS GROW "LIKE WEEDS" *with* PARK & POLLARD STARTERS

Get quick, sturdy chick growth, high chick vitality. Feed a Park & Pollard Starter. Find out why poultrymen, who judge feeds by results, demand Park & Pollard Feeds. To fill your laying house with rugged profit producing pullets *next Fall,* order your supply of these great Lay or Bust Feeds from your Park & Pollard dealer *now.*

**THE PARK & POLLARD CO.**
**BUFFALO, N.Y. BOSTON, MASS.**

*Also Manufacturers of the Famous*
MILK-MAID DAIRY RATIONS

PARK & POLLARD LAY or BUST FEEDS
PRODUCE RESULTS THAT PAY MORE PROFITS



# ELCAPO
## ELECTRIC MADE CAPON

DRY CELLS, batteries or light socket do it, without loss or danger. No cutting, tearing, or twisting of delicate parts. Press the button, the rooster becomes a CAPON. Equipment for making your own, or "Started Capons for Sale." Profit and pleasure are yours, illustrated bulletin explains. A post card with your name and address brings it to you. Without any cost or obligation.

Geo. Beuoy, No. 6, Cedar Vale, Kans.



New England's Large Egg Strain

**ENGLISH LEGHORNS**
FOR VIGOR — HARDY NORTHERN CHICKS

Every Chick from 26 to 28 oz. Eggs

Pearson's Nes-to-U
Rt. E, Keene, N. H.

THIRTEEN GENERATIONS OF OLD HEN BREEDERS back of every chick. Insures high livability in the laying pens. Pullorum tested. EVERY EGG PRODUCED ON OUR OWN FARM. 32 Years Service to New England Farms. Wins State Honor, N. H. Home Egg Contest 1938—our 3120 pullets averaged 211 eggs each, 13% mortality. FREE CATALOG.

Mrs. Hinkle

I guarantee you that when you order Hinkle Chicks you are getting chicks that are real money-makers. 85,000 each week, all from carefully culled and tested flocks. Write for our Ironclad livability guarantee.

On pullet orders I guarantee you that 90 chicks out of each 100 will be pullets. My customers make money—and so can you with Hinkle Chicks.

**HINKLE CHICKS ... *from* ...**

**GREENSBURG HATCHERY**

***Hinkle chicks famous for years for Health, Livability and Heavy Production***

For Immediate Shipment at these astounding low prices. AA Grade Chicks.

| | 100 | 300 | 500 |
|---|---|---|---|
| Barred, Buff, White Rocks, White Wyandottes, Reds, Buff Orpingtons, (Extra Good) Buff, White Minorcas | $7.45 | $22.00 | $36.50 |
| Big English White, Brown, Buff Leghorns, and Anconas ..... | $6.95 | $20.70 | $34.25 |
| Silver Laced Col. Wyandottes, R. I. Whites, R.C. Reds, New Hampshires | $8.45 | $25.00 | $41.50 |

AAA Grade Chicks 1¢ Higher
Heavy Mixed $6.40-100; Assorted $5.50.

**DAY-OLD PULLETS**
90% ACCURACY GUARANTEED

| | |
|---|---|
| Heavy Breeds ..... | $9.95-100 |
| Leghorns & Anconas | 12.95-100 |
| Minorcas ..... | 13.95-100 |

After March 15th, Heavy Breed Pullets $11.00, Leghorns and Anconas, $15.45. Cockerels 3½c, 4½c, $7.45. Order Direct from this advertisement or write for beautiful catalog and complete price list, also prices on turkey poults and ducks. We pay postage, guarantee 100% live delivery, ship COD.

HINKLE'S GREENSBURG HATCHERY, Box 30, GREENSBURG, IND.

**REDBIRD FARM**

Largest R.I.Red Breeding Farm in the World

**WINNERS AT FARMINGDALE N. Y. CONTEST**

**1st Red Pen---4th Red Pen---1st Pullet ALL Breeds**

In 25 years, REDBIRD FARM has grown from 48 Birds to 62,000 Champion Breeders. You, too, can prosper with REDBIRD FARM CHICKS for your Foundation.

Hundreds of customers report 3-lb. Brollers at 10 weeks; 50% Production 24-oz. Eggs at 6 months. Quick Returns and Big Profits on Fancy Grade Eggs, Brollers and Roasters.

RHODE ISLAND REDS—ROCK-RED Cross Barred Brollers
WHITE LEGHORNS—BARRED PLYMOUTH ROCKS

Write today for Free Catalog and Price List

**REDBIRD FARM** Route 23 WRENTHAM, MASS.

**62,000 BREEDERS**
Mass.—U.S. Pullorum Passed Blood-Tested by Mass. State College using Tube Agglutination Method.

**98% Livability GUARANTEED**
First 4 Weeks on Special, Grade-A and Grade-B Matings.

Buy Now! **MAPLE LAWN LARGE CHICKS**
**BRED FOR SIZE AND EGG PRODUCTION**

Extra Quality!

Hatches Every Mon. & Thur.—100% live delivery Postpaid

| | 100 | 500 | 1000 |
|---|---|---|---|
| Large Type Eng. Wh. Leghorn & Br. Leg. Pullets, 90% guar. ..... | $12.00 | $60.00 | $120 |
| White & Black Minorca Pullets, 90% guar. ..... | 15.00 | ..... | .. |
| B.W. & Buff Rocks, W. Wyand. R.I. Red, Rd-Rock Cross Pull. 90% Guar. | 8.50 | 42.50 | 85 |
| New Hampshire Red Pullets, 90% guar. ..... | 9.50 | 47.50 | 95 |
| White & Brown Leghorns ..... | 6.50 | 32.50 | 65 |
| B.&W. Min. R.I. Reds, B.W. & Buff Rocks, Rd-Rock Cross, W. Wyand. | 7.00 | 35.00 | 70 |
| Heavy Mixed ..... | 8.00 | 40.00 | 80 |
| Light Mixed ..... | 6.00 | 30.00 | 60 |
| Day-Old Leghorn Cockerels $2.50-100; Heavy Mixed Cockerels $6.50-100. | 5.50 | 27.50 | 55 |

All Breeders Blood-Tested. Write for Cash Prices and FREE CATALOG.

MAPLE LAWN POULTRY FARM, R. T. EHRENZELLER, BOX B. McALISTERVILLE, PA.

**RUPP'S CHICKS**

LIVE LAY PAY

RUPP'S CHICKS PRODUCE!

**6687 DOZ. EGGS IN 21 WEEKS**
*"My flock of 1000 pullets hatched Feb. 5, 1938 started laying in 5 months and produced 6687 doz. nice large eggs in 21 weeks which brought $1921.50."*—Paul Borton (Ohio)

U.S. OHIO APPROVED CHICKS

500 R.O.P. Pedigreed Male Breeders are being used this year. Dam's records to 316 eggs. Flock records, 212 eggs 80% production reports. Sexed Leghorns, Rock and Red chicks, poults and ducklings. 20 years in business. *FREE*—complete story of Live-Lay-Pay chicks. Send for it today.

*Rupp Prices* 6.85 UP

RUPP BROTHERS, ARCHBOLD HATCHERY, Box E, ARCHBOLD, OHIO

**QUALITY CHICKS or BALLYHOO**

**WHICH ARE YOU BUYING???**

Profitable Modern Chicks (Ohio and U.S. Approved) bring hundreds of customers back year after year. 23 years hatching and flock improvement. Better breeding, careful bloodtesting and culling. Latest type incubators, constant fumigation. No mass production. SEND FOR FREE CIRCULAR.

Five profitable Breeds...S.C. White Leghorns, White and Barred Rocks, R.I. Reds and Buff Orpingtons. Liberal livability guarantee.

**$8.00 for 100** Quality Chicks *WORTH MORE*

MODERN HATCHERY - - - BOX 106, - - - MT. BLANCHARD, OHIO




until next year. Spring work is coming on and folks won't have very much time for outside activities. Things went over in a large way last night. Much interest was shown and especially in the moving pictures of various producers farms. I saw myself, for instance, go through all the steps taken in packing eggs. The written question system seems to work better than oral questions. There were about 50 questions asked and Ferguson called on various ones of those present to answer them.

**March 12**—I made a special trip to town this morning for a barrel of salt brine. William Ball the manager of the cold storage locker plant, has been saving it for me when he changes the solution on his shoulders, bacon and hams in the process of curing. I simply can't stand to see anything wasted, so several weeks ago, the hot idea was concocted to use salt brine on the ranch roads to prevent grass from growing in the middle.

There are now 130 gallons of the dope on tap and it is only a question of time until a blade of grass is going to get soaked as soon as it appears. It doesn't do very much good to cut the grass off with a hoe, in fact, it seems that it is really a cultivation. But the salt brine solution will reverse the process of osmosis, thereby, drawing all the sap out of the roots. The grass will be bled to death, so to speak.

**March 14** — This lamb business seems to be on the up and up this year for Donn White. There are two sets of twins out in the barn and the third pair arrived this morning. I am afraid there is going to be more sheep than pasture for the summer.

Ralph Sheppard, our egg inspector, is still growling about interior quality. Ralph claims that the boys don't take as good care of their eggs as they should in order to get the top price. A few whiffs of green grass sure does put the color in the yolk. That is the trouble, it puts too much color in the yolk.

"And it was with memories and heartaches, too, that I watched the old truck go out the drive and down the road. Away, gone, it will all be junked."

**March 15**—Here we are again, the Ides of March. In about 30 days or so, it will be the Ides of chicks for me. Then is when the work and responsibility starts for the Old Man. Right now, I feel that I am dragging both feet through the grave. I have one of those head colds that are experienced a few times during one's life.

**March 16** — The accumulation of worldly goods has always been a difficult project for me to accomplish, but it doesn't seem to work that way with Donn. The sun certainly shines on that boy and his live stock. Another set of twin lambs, 200 per cent increase in the flock this year. Rosy Marie, his registered Jersey cow has had two daughters during the last two years, a 100 per cent increase per year.

But the Old Man, that's me, burns some of his chickens in the furnace well nigh every day. I wonder what is the matter with these crazy hens? They die and then the death march starts towards a good hot fire. I always try to reconcile myself that only the weak ones are dying. Sometimes, I think I stretch my imagination a wee bit.

"Took a pot shot at one of the neighbor's dogs. I could tell by the way he lit out, actually flew, only hitting the ground long enough to go around curves, that the dog realized it was not a 'crack pot' pot shot."

**March 17**—Mr. Davault, auto salesman, spent most of the afternoon talking trucks to me. I had invited him to come over so the work was arranged in such a manner that we could discuss the situation thoroughly. I feel that a half-ton truck will serve my purpose very well. It is cheaper to hire what heavy hauling that would need to be done instead of trying to maintain a larger truck.

We didn't arrive at any definite conclusion, but he is going to bring a demonstrator over in the morning. We are going to load a bunch of empty cases as a practical test out. Coops and cases don't load economically, as far as space is concerned in commercial express body trucks.

**March 18**—Headaches in the poultry business usually outlive your money. I have bought a new truck. I bought it because I had to have another truck. Just at the time when I had accumulated a couple of dollars for a rainy day, I had to buy a new truck.

**March 19** — The pasture is now covered with 20 tons to the acre. Four hundred pounds of 20 per cent superphosphate and 4,800 pounds of lime added per acre for good measure. If there is anything to making two blades of grass grow where only one grew before, says I, it ought to do it's stuff now.

Then we hooked up the electric fence and turned the cows in the paddock. Lady Dot, the young heifer, who has specialized in jumping fences,

# You'll Sing its Praises, too!

Thousands of poultrymen, from Maine to Florida, have raised their chicks by the Larro Pullet Raising Plan—and tell with enthusiasm how simple and economical it is, and what excellent results it produced. Raise your chicks the Larro way, this year, and join the happy chorus.

**Here is the plan in a few words: Feed Larro Chick Builder the first 12 weeks ... then change to Larro Egg Mash. Grains are hand fed for 12 weeks only ... then hopper fed to maturity.**

Just two mashes—instead of three. No tapering off to bother with when you change. Simple, easy feeding directions—and two proved mashes, carefully made of high quality ingredients.

Larro Chick Builder is specially designed for that first 12-week period of rapid growth rate—during which chicks multiply their weight at hatching time by as much as 30 times. Years of testing at Larro Research Farm show that it provides all the known nutrients required during this tremendously important period.

Larro Egg Mash provides the nutrient factors they need to complete their growth and development, and prepare them for heavy, continuous egg production.

**LARROWE MILLING COMPANY**
(TRADE NAME)
*Division of General Mills, Inc.*
Dept. D **DETROIT, MICHIGAN**

Approved by Research Committee LARRO RESEARCH FARM GENERAL MILLS, INC.

★ *Write today for your free copy of the Larro Chick Book—and tell your Larro dealer when you will be ready to start your chicks on LARRO CHICK BUILDER.*

*GO STRAIGHT THROUGH THE Larro WAY FROM CHICKS TO PROFITABLE LAYERS*

*Make*
**EXTRA PROFITS THIS YEAR-**
*WITH AMERICA'S GREAT MONEY MAKING STRAIN*

***Nearly 40 Years Breeding Exclusively***
**"KERLIN-QUALITY" S. C. W. Leghorns**
***Pedigreed, Trapnested Breeders. Every Breeder State Blood-Tested***

This hen laid 331 eggs in 1 year, Official Record. Big type, beautiful white layers.

SUPREME MATINGS—from STOCK PROGENY TESTED for HIGH EGG PRODUCTION and HIGH LIVABILITY; U. S.-R.O.P. dams with trapnest records 275 to 300 eggs—they have 4-6 consecutive generations of 250 to 340 egg ancestors on dams' side—300 to 352 eggs on sires' side; U. S.-R.O.P. males and females produced by World's Record 1937 Pen which averaged 313.9 eggs, 355.9 points.

All males heading our supreme matings have pedigree records as here described—undoubtedly the **World's Best Bred Line of Leghorns.**

**Be Sure Your Chicks Come from KERLIN'S Pedigreed Trapnested Breeders**

Get the cream of nearly 40 years continuous breeding improvement of only one breed, "KERLIN-QUALITY" S. C. W. Leghorns. My 1939 matings contain what I believe to be the best Leghorn breeding in America. This means that you have that much extra chance to make extra profit in 1939 and years to come, with "KERLIN-QUALITY" chicks. Over 100 Contest Winners. Over 250 Cash, Gold, Silver, and Bronze Awards for unusual and outstanding merit: Sustained High Egg Production, and High Livability are credited to "KERLIN-QUALITY." Nearly 100,000 customers in 48 states and 30 foreign countries.

**10-Point 30-Day Guarantee**

**Day-Old Pullets** (Guaranteed 95% true to sex)

**Day-Old Chicks** (not sexed), Day-Old Cockerels

**$3.00** PER 100 CASH DISCOUNT for ordering early. Answer this ad promptly. Get my FREE 40-page catalog "Make Extra Profits This Year with America's Great Money-Making Strain," and FREE Kerlin Service Bulletin.

**KERLIN'S GRAND VIEW POULTRY FARM**
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**GOVE'S** *Barred Rocks*

Quick developing large egg producing Barred Rocks are real profit birds, both in meat and eggs. Gove's Barred Rocks, specially bred for livability, health, vitality, growth and egg production, are profitable birds from any angle. Write today for our catalog telling of our breeding, state testing and production. Order early and be sure of your chicks when you want them.

**EXTRA** EGGS MEAT HEALTH LIFE

**GEORGE C. GOVE** — BOX E RAYMOND, N. H.



**ANIMAL-POULTRY YEAST FOAM**
***For Feeding Poultry***

Ask your dealer for Yeast Foam System Feeds. If he is not ready to supply you, try adding Animal-Poultry Yeast Foam to your present feed. A 4-lb. box only $1.00 delivered in U. S. Northwestern Yeast Co., Dept. D, 1750 N. Ashland Ave., Chicago, Ill.


went up and touched the fence with a very wet nose. She spent the rest of the afternoon racing around the paddock with her tail straight out behind. Donn White had evidently thought that sparks should fly from the fence all the time. Claimed it wasn't working, so he went over and grabbed hold, bare handed. He won't do it again.

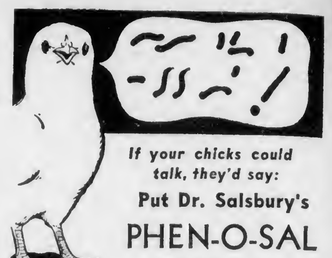
March 21—The official first day of spring. Spring is the season of Faith and Hope and I might add Charity too. I suppose we all have a certain amount of faith in our work and hope that this year will be better than last. And we will need more or less charity in dealing with chicks that have coxy and worms. The resolute is always to kill such birds, but often I think I am somewhat chicken hearted. I say to myself that I will get them the next round, but too often, like tomorrow, that time doesn't come.

March 22 — One of the first loads that I made with the old truck was oak lumber from a saw mill at the village of New Pittsburg. Today the last load the truck made was a similar load from the same village, but a different mill. When I came home, Mr. Davault was here with the new truck. And it was with many memories and heartaches, too, that I watched the old truck go out the drive and down the road. Away, gone, it will be junked. If I had in a lump sum, the value of all the cargoes that truck had hauled since 1925, I would be able to retire.

But it is off with the old and on with the new and the new one is a beauty. We have already painted the under side of the fenders with a special under fender paint to prevent rusting. Tomorrow we will give the entire truck a good waxing. I am going to take better care of this truck than I did of the old one. Trucks cost lots of money for me.

March 24—The temperature in the egg room stands at 40 degrees, the relative humidity at 70 degrees. That is cool; it is also damp. Mr. Bohnvecio, an auction member, was a visitor Tuesday. He suggested, for better air circulation, that a hole be cut in the water pan and a wall be soldered in. This would make the water pan similar to a cake pan when the cake has a hole in the center. Late yesterday afternoon, I brought the pan home from George France's tin shop and gave it a good coat of aluminum paint. This morning, early, I painted it again. Also over-hauled the fan motor.

The whole outfit is in operation now and does it work? I guess yes. The air is drawn down from the ceiling through the eggs, cracked against the floor, "around and around it goes, and where she stops nobody knows." The egg room contains 800 cu. ft., and the fan exhausts about 2000 cu. ft., per minute. I smoked a fat, black cigar in there a few minutes ago, and the

*If your chicks could talk, they'd say:*
**Put Dr. Salsbury's**
**PHEN-O-SAL**
**Tablets in our drinking water**
*The Tried and Proved Medicine for the Drinking Water*

Every Tablet, a balanced blend of Antiseptic, Astringent and other drugs.

**FREE!** Dr. Salsbury's "First Aid to Poultry." See your local Dr. Salsbury dealer or write us.

**Dr. SALSBURY'S LABORATORIES** Charles City, Iowa



**WHITE WYANDOTTES**

**Bred 50 years on the one farm by J. C. Fishel & Son and his successor. THE OLDEST & BEST. High egg production and exhibition quality.**

OVERBROOK WHITE ROCKS, DRYDEN AND PARKS BARRED ROCKS, BROWNELL WHITE LEGHORNS. Does that sound good to you? Here again the product of noted breeders carried on under our supervision. R.O.P. and egg records up to 338 bred right into our chicks.

Above all progeny tested for livability. Our pullets, in all breeds will live and yield a profit. They are uniform and STANDARD bred. "Thirty Years in learning how." A dependable place to trade. An old timer, that is up to date. No "Hobbies," just good chicks that will please and yield a profit.

**BABY CHICKS • EGGS • YOUNG STOCK**
**Priced Right ● Catalog Free**
**CARL J. CARTER** Box E Columbus, Ind.



**BRENTWOOD NEW HAMPSHIRES**

When you buy Brentwood New Hampshires you can be sure you are getting real quality. Quality that comes only from intensive careful breeding with only the very best birds. Brentwood Poultry Farm with 8,500, 100% Pullorum clean breeders can and does produce this quality. Send for our free catalog today and see for yourself.

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**BABY CHICKS**
ROCKS • REDS • LEGHORNS
Hatches weekly—Free Illustrated Catalog.
**Massanutten Hatchery, Box D, Harrisonburg, Va.**



**KNEUER'S NEW HAMPSHIRES**

**CHICKS** Conn. State Pullorum Accredited. Never a reacter in our flock. Bred by us for many years for **livability** and **layability**, the broiler raiser and egg producer will find them absolute TOPS in profits. Write for catalog and prices. **Rudolph Kneuer, Box E, Branford, Conn.**


Classified Ads on Page 45



smoke was scattered to the four corners forthwith and immediately. That man Bohnvecio has a head on his shoulders, and it isn't a cabbage head either.

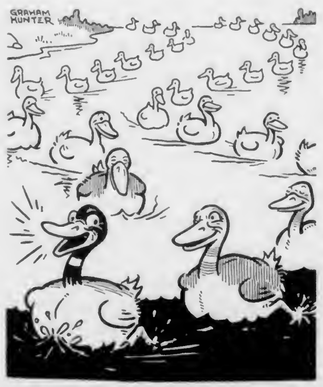
March 25—Well, I cleaned out the pockets in my overall jacket this morning. Up to my old tricks again, toting eggs around in my pockets with the usual results. A pocket full of laying mash is a very good drying agent under such circumstances.

March 28—Today, I combined business with pleasure and brought home a pay load, brooms and feed. We didn't need the corn, but it is only a question of time until we will and this load would probably save an extra trip. A few drops of gasoline saved means several eggs.

March 29—Lyman Peck, salesman extraordinary and friend of long standing, was a visitor. He is connected with one of the nationally known feed manufacturers at present. He and Mrs. Peck were on their way home, Fort Wayne, Indiana, but he stopped for a short visit at 9:00 p. m. Then they were going to drive straight through. He is the same Lyman, always bubbling over with ideas.

Took a pot shot at one of the neighbor's dogs. I could tell by the way he lit out, actually flew, only hitting the ground long enough to go around the curves, that the dog realized it was not a "crack pot" pot shot. It is getting a little too near to the brooding season for dogs, cats and varmints to start gathering in. I haven't forgotten last year so soon.

March 30—It is getting about the time of the year to discontinue the use of lights. The days are getting longer and I am afraid of over doing a good thing. There is no use in deliberately killing the bird that lays the golden egg. Enough of them die as it is.

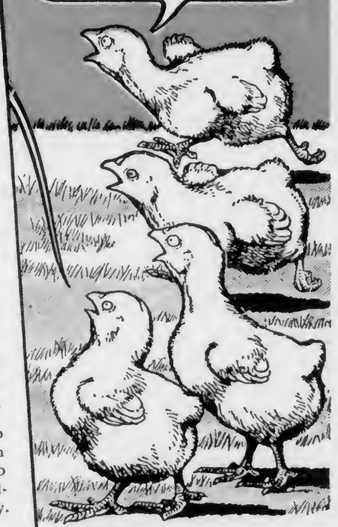



"Huh! Th' U. S. Navy ain't got nuthin' on our spring maneuvers!!"


**SUCCEED WITH CHICKS, SAVE UP TO ⅓ TO ½**
on Cost of Feeding New Pullets with the FUL-O-PEP Rearing Plan!

**HEY, THERE'S THE DINNER BELL!**

**AND SISTER, I GO FOR THAT FUL-O-PEP CHICK STARTER!**



**WINTER CHICKS GET MANY HEALTH BENEFITS**
**of Fresh Green Pasture from "Concentrated Spring Range" in FUL-O-PEP**

✓ Remarkable scientific discovery in Ful-O-Pep—Concentrated Spring Range—brings chicks many rich healthful benefits of grass proteins and vitamins.

✓ Wonderful oatmeal base in Ful-O-Pep helps protect chicks against slipped tendons, cannibalism, gizzard lesions.

✓ Balanced in vitamins, minerals, proteins, food-energy and special regulating ingredients.

✓ Ful-O-Pep Rearing Plan saves up to ⅓ to ½ on cost of feeding to maturity.

Here's a key to success with chicks! Do as thousands of successful poultrymen are doing and order your requirements now of Ful-O-Pep Chick Starter. Let the Ful-O-Pep Rearing Plan help bring you success with chicks—yet save you as much as ⅓ to ½ on cost of feeding to maturity. Raise bigger, huskier, more profitable pullets—the kind that fill out and stay strong and productive for several years. Ful-O-Pep Chick Starter provides your chicks with an appetizing blend of scientifically chosen foods. It promotes big frames, sturdy growth, even feathering and sound health. Remember to see your nearest Ful-O-Pep Dealer today. Order your feed requirements now! Send coupon now for complete details.

**FREE** valuable new 32-page Chick Book just off the press. A gold mine of profitable information on how to succeed with chicks.

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Chicago, Illinois
Please rush free and postpaid, your new 32-page book, "THE EASY ECONOMICAL WAY TO RAISE CHICKS."

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# Ohio U. S. Certified WAYNE HIGH PRODUCTION BRED LEGHORNS

**Every Chick Sired by an R.O.P. Pedigreed Male that is the son of a trapnested High Egg Record Dam**

There are many reasons why you'll want Wayne Leghorns in 1939 ● 12 years under Ohio R.O.P. Supervision ● All birds officially culled, legbanded, and bloodtested by approved agents ● No guesswork — breeders trapnested and selected for large egg size, steady winter egg production ● Every chick sired by high record R. O. P. pedigreed male.

**Customer Averaged 204.3 Eggs per Year Over 10 year Period**

". . . We enclose production records for the past 10 years on pullets raised from 1000 Wayne chicks bought yearly. Our average was 204.3 eggs per year over the 10 year period. . . ." — Halfred Farms, Chagrin Falls, O.

**WE USE BIG EGGS to Hatch Your Chicks**

All of our Ohio U. S. Certified Chicks are hatched from eggs averaging over 24 ounces to the dozen. They are carefully selected for shape, color and shell texture. Don't take chances with inferior quality! Send your order in today for Wayne Baby Chicks and watch your profits grow!

**WHO PAYS THEIR BOARD?**

Wayne Chicks pay their own board! Yes—it costs us more to breed and maintain WAYNE quality, but these sturdy Ohio U. S. Certified Chicks are BETTER BRED. Customers everywhere report they are easier to raise and turn in nice fat profits each year.

**SURPRISINGLY LOW IN COST**

Try to equal WAYNE breeding at our price! Folks tell us it just can't be done. One reason we are able to offer so much value for so little money is that we own and personally manage our breeding farm. Write for free catalog and prices. Don't buy ANY chicks until you see WAYNE values.

**SEXED CHICKS:** We can supply sexed chicks from any of our matings. Sexed 95% accurate.

**WAYNE POULTRY FARMS** W. J. BUSS Box 126 **Wooster, Ohio**



# CLEAR SPRING CHICKS

All Breeders Blood-Tested for B. W. D. Whole Blood Antigen method, carefully culled under my own supervision. Hatches every Mon. & Thurs. of each week.

ELECTRIC HATCHED. 100% live del. P. P. Cash or C. O. D.

| | 100 | 500 | 1000 |
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| LARGE TYPE ENGLISH S. C. WHITE LEGHORNS | | | |
| SEXED ENGLISH LEGHORN PULLETS (95% SEX GUARANTEED) | $7.00 | $35.00 | $70.00 |
| BARRED AND WHITE ROCKS, R. I. REDS | 13.00 | 65.00 | 130.00 |
| WHITE MINORCAS, BLACK MINORCAS | 7.00 | 35.00 | 70.00 |
| RED-ROCK CROSS BREED, N. H. REDS | 7.50 | 37.50 | 75.00 |
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EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania



# CAREY'S WHITE LEGHORNS

21 years of breeding, using the trapnest and checking back on results, are behind Carey White Leghorn chicks. They are bred for profits. That is why customers come back year after year to buy chicks. Results? Here they are.

329 Eggs, 355 Pts. 1936 Penna. Test

**335 Eggs in One Year**

At Georgia, a Carey hen laid 335 eggs and scored 353 points in one year. At Pennsylvania, a Carey hen laid 329 eggs and scored 355 points. These are official records.

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"There, that should make us pretty safe!"

## More Difficult to Mix Good Feeds at Home Today

"One reason why it is harder for poultrymen to prepare their own poultry rations at home today than it was a few years ago," declared T. B. Charles, head of poultry department at the University of New Hampshire, at a recent meeting of poultrymen, "is that the ingredients themselves have changed and you are not getting the same thing today when you ask for a certain ingredient that you were getting a few years back.

"In proteins, for instance, liver is being used so much for human consumption today that meat scraps for poultry feeds don't contain much liver anymore, and thus an important source of various necessary elements has been taken away.

"You can't judge just from a chemical analysis alone whether or not the feed will serve the purpose. Poultrymen should consider quality of ingredients supplying protein as much as they have quantity during the past few years."

Commercial feed companies are constantly checking the quality and quantity of every ingredient going into their mashes, are testing their feeds in laboratories and on farms, and are equipped with mixing machinery so that they should be able to produce feeds that will do a better job than the feeds poultrymen can mix themselves.

## Ratproofing the House

The best way to ratproof your poultry house, according to W. C. Harrington, engineering department, Massachusetts State College, is to construct it so as to leave no harboring or breeding places, and to cut off from the rats the food supply.

Extend concrete walls down at least 24 inches to keep rats from digging under them, and make the first story floor of concrete. Screen all drain and sewer outlets. Close in the space between joists and studs which have been sheathed, with wire cloth, sheet metal, or concrete fill. Be sure doorways, also, are screened.



## New Treatment Effective in Killing Gapeworms

E. E. Wehr, P. D. Harwood, and J. M. Schaffer, investigators for the U. S. Bureau of Animal Industry, have discovered during the past year that by giving chicks infested with gapeworms a dust treatment of barium antimonyl tartrate, they have been able to kill more than 98 per cent of these parasites which attach themselves to the trachea of each chick and cut down the passage of air.

The Bureau scientists have been able to treat from 50 to 55 four-week old chicks at a time by placing them in a large galvanized box a little larger than 2 feet square and 18 inches deep, and introducing the dust with a blowgun. A treatment lasting 10 minutes is long enough to kill the parasites. A few hours after treatment, the infested chicks cease coughing and gaping.

The Bureau has applied for a patent for the barium antimonyl tartrate dust, which is not yet commercially available, so the public can have free use of this product.

## Feed Requirements Differ with Hens and Breeds

White Leghorns will produce the most eggs at an average body weight of 4 pounds, and Rhode Island Reds and Barred Rocks will lay the most eggs at about 5¾ pounds, according to studies made by workers at Missouri Agricultural Experiment Station.

The Missouri investigators also found that after the amount of feed necessary for maintenance has been supplied, about 0.087 pound of feed is necessary to produce a two-ounce egg. Thus, a hen that lays 200 eggs a year and weighs the same as a hen that lays 100 eggs a year, will need only about 8.7 pound more of feed during the year.

## Chicken-Pheasant Cross

Two boys, 12 and 14 years old, in Avon Old Farms, a college preparatory school at Avon, Conn., have successfully crossed a pheasant cock and a game hen, after five years of experimenting by members of the Science Department there. So far as is known, this is the first time that this cross has been made.

The boys found that the secret of making the cross lies in mating the birds in the fall rather than in the spring. The hybrid possesses characteristics of both parents. Both sexes apparently have the red eye ring of the male pheasant. Around the neck of each bird is a ring similar to that of the Ringneck pheasant, but black instead of white in color. Plumage is characteristic of that of chickens in barring and color.

# NOW·· STARTENA IMPROVED AGAIN!

TODAY there's a new improved feed in the old familiar Checkerboard Bag. Purina Startena, known for many years as the nation's finest starting feed, now contains Puri-Flave, a new exclusive growth ingredient.

Puri-Flave is a concentrate of vitamin G (Flavin), a factor which is absolutely essential to the growth of baby chicks. Puri-Flave is added to Startena to make sure that every bag of Startena contains an abundant supply of this important growth material.

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## Makes Chick Raising Easier

Elmer Rusk, noted White Giant breeder, Windsor, Mo., says: "Korum cut our chick losses 50% and the chicks drink 30% more water." J. L. Hassen, Indiana, writes: "This is my 4th year using Korum and I cannot be without it. It is a great remedy." W. R. Johnson, Kentucky, says: "This is my 3rd bottle of Korum this year, and I have not lost a chick."

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Illustrates and describes splendid low price values in supplies, remedies, accessories of all kinds for poultrymen and hatcheries. Write today for your copy to The Moore Bros. Corp. Box 03, Albany, N. Y.


## The Black Leghorns

About 50 years ago, my grandfather heard of a party that had imported some Black Leghorns, and he sent for a setting of eggs, hatching two pullets and a cockerel. From these hens he raised his flock up to several hundred, which pleased him so much he junked his other breeds. Ever since, the Black Leghorns have been on this farm.

Black Leghorns are free from cannibalism and other pickout troubles in chicks and pullets. They are very hardy and healthy.

They are one of the most handsome fowls. Picture a Leghorn with a rich glossy black plumage with a greenish sheen, bright red wattles, white ear lobes, red eyes, yellowish shanks, and carriage as proud as a peafowl.

They are great natural layers of large white eggs. Their flesh is of the finest quality, and dress yellow for market purposes. They are great foragers when on range, but stand confinement equally well.—A. E. Hampton, N. J.

## Find Insulation Pays

A comparison of temperatures and egg production in insulated and non-insulated poultry houses at the Arkansas Experiment Station over a period of five years, has showed in those houses where ½-inch rigid insulation was used, annual maximum temperature was 2 degrees lower, annual minimum temperature was 2 degrees higher, and egg production was approximately 2 per cent greater than in the non-insulated houses.

## Preventing Stained Eggs

Eggs easily become stained or spotted if they come in contact with the damp sides of a pail. These stains are very hard to remove and stained eggs certainly lower the sales appeal of the entire lot of eggs offered for sale. Never use water or feed pails to gather eggs. It pays to use open wire baskets which help to keep the eggs clean while allowing the body heat to escape.

## *Through the Editor's Specs*

[Continued from page 3]

sary funds to put on a Congress in keeping with the magnitude of our poultry industry.

Have you purchased your membership certificate? Whether or not you actually attend the World's Poultry Congress this coming summer, your investment of $1.00 in a membership (which entitles you admission during the entire event) will be evidence that you want to share in the effort to acquaint the public with the value of eggs and poultry. After all, that is its final object.


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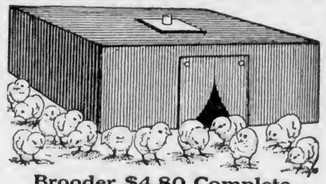

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At it since 1898

"I always told Joe not to lead with his chin!!"

## *This Month With Your Flock*

[Continued from page 2]

keeping the mash from sticking to the sides of the hoppers help to pep up feed consumption as well as keep the feed in a good condition.

### Keep Supply of Litter Dry

Don't leave litter outside in freezing weather where it will become very cold and damp. Have it as warm as possible when you put it in the brooder house for baby chicks. A deep layer of very cold litter may take quite a while to warm up and dry out.

### Set Fountains on Platforms

Place fountains for baby chicks, as well as for older birds, on wire-screened platforms so that litter and droppings can be kept out of the water and there will be no damp litter around the base of the fountains. Don't let the fountains run dry, for plenty of fresh, clean water is essential for healthy chicks.

### Clean Before Disinfecting

Scrape, sweep and wash off all caked droppings and dirt which have gathered on the floor, in the cracks, and on the walls of your poultry buildings before disinfecting. No disinfectant can do much good unless the surface on which it is applied is free of all dirt. Don't spread litter until the floor is thoroughly dry.

## Use Plenty of Nails

It's false economy to try to get along with as few nails as possible in building. Research data on the rigidity of framed structures show that 20 per cent more nails can increase the strength of the structure as much as 50 per cent. Adequate nailing, the use of dry lumber, square joints and sufficient bracing are necessary for rigid frames, according to W. C. Harrington, engineering department, Massachusetts State College.


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This means that every breeder—male or female—is officially approved for perfect health, vigor, endurance, and the highest production qualities—and that the chicks from such breeders are the very best that money can buy.

**AND NOCK OFFERS YOU THESE STATE-APPROVED CHICKS IN ALL THE FAVORITE UTILITY BREEDS AND CROSSES**

**AT PRICES AS LOW AS 9c PER CHICK IN LOTS OF 1,000**

**10 MONEY-MAKING BREEDS and CROSSES** — Nock's Chicks Famous for Quality — **15,000,000 CHICKS Since 1929**

**Famous MARYLAND BARRED ROCKS**
Maryland has always been known for its Barred Rocks. Nock's flocks are among the finest in the State. Ideal dual purpose strain, bred for both meat and eggs.

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Heavy Layers of Large, Chalk-White Eggs
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Our strain came direct from New England and has been bred to retain its natural vigor and stamina. Customers frequently report flock averages of 180 to 200 eggs per bird.

**NOCK-CROSS BARRED HYBRIDS**
From Barred Rock males mated with New Hampshire females. The ideal broiler and roaster cross. Very fast growers.

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Day-Olds--95 per cent Sex Guaranteed
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*Also* R. I. Reds — White Wyandottes
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"On May 27, we received from you a shipment of the best chicks which we have ever received from any hatchery. We are satisfied as to quality and as soon as we start fall brooding, you will get some more business from us."—S. E. Abbott, Java Village, N. Y.

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from prize-winning New Hampshires — R.O.P. Stock — fast growing—healthy and rugged—bred under ideal conditions in the White Mountains of the Granite State. They mature early and are high producers of large brown eggs. Send for free monthly copy "Pine Top Poultry Tales." Will help any poultryman. Postal will do.

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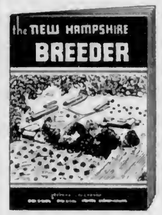


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### BUY — Don't Build POULTRY HOUSES

We are pioneer manufacturers of Sectional Poultry Houses. Now made of fragrant vermin-repelling red cedar. Tight, warm and sturdy. Easily erected without skilled labor; can be readily taken apart and moved to new site. You save money and get a better building.

**FREE** Bulletin shows complete line of Poultry Houses, also Nests, Roosts, Gates, etc. Write.

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20 x 20 ft. Combination Brooder and Laying House, $175.00. Freight Prepaid to nearby States. Capacity: 700 Chicks (Two Broods) or 120-140 Pullets.

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—Can be done with BROWER'S BATTERY BROODERS. Low Feed Prices, Good Chicks and proper care. Market Broilers in 8 to 10 weeks. Small down payment starts shipment to you. Write for BROWER'S Poultry Supply Catalog and Guide. 100 pages, 400 pictures, which explains the broiler business. Also describes BROWER'S Big Line of Battery Brooders and Poultry Equipment at low prices.

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**QUALITY CHICKS**

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| White Leghorns | $6.50 |
| AA Grade Wh. Leghorns | 7.75 |
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AA Legh. Pullets $13-100; Cockerels $2.50

Plum Creek Poultry Farm & Hatchery, Sunbury, Pa.




# World's Poultry Congress News

**Congress Special Days Announced**—The executive board of the World's Poultry Congress has set aside the following days as having particular significance:

Friday, July 28 — Opening Day and Registration.
Saturday, July 29—Home Country Day.
Sunday, July 30 — International Peace Day (Dedication of Cultural Gardens).
Monday, July 31—Canadian Day.
Tuesday, August 1—Pan-American Day.
Wednesday, August 2—All-States Day.
Thursday, August 3—Baby Chick Day.
Friday, August 4 — Poultry Producers Day.
Saturday, August 5—Poultry Marketing Day.
Sunday, August 6—Cleveland Day.
Monday, August 7 — Closing Assembly and Ceremonies.

**Kansas 4-H'ers Prepare for Congress**—Approximately 21,000 4-H club members in Kansas are preparing golden strands of wheat to be used in decorating the Kansas educational exhibit at the World's Poultry Congress.

**More than 150 adults from 20 states entered the Poultry Congress Adult Song Contest, according to Dr. Cliff Carpenter, chairman of the song contests committee. The junior contest has been extended to April 15, since many organizations have recently applied for entry blanks and information.**

**Plan Massachusetts Tour to Cleveland**—Nelson Jost, Massachusetts Farm Bureau, has announced that his organization is arranging a three-day tour for Massachusetts poultrymen to the Congress, to cost about $37 apiece for travel plus two nights' lodging. This does not include cost of meals at the Congress, however.

**New Hampshire Growers Plan Meeting at Congress** — New Hampshire Poultry Growers Association will hold its annual meeting in Cleveland, Ohio, Monday, July 31. From 250 to 300 members are expected to attend.

**Outlines Massachusetts Congress Exhibit**—The Massachusetts exhibit, to be modernized in design, of glass brick, and having indirect lighting, will feature a mechanical egg, a mechanical hen, and a typical Massachusetts poultry plant, according to Al Lombard, Massachusetts Department of Agriculture.

**Congress Essay Contest for Illinois Youth**—Illinois Poultry Industry Council is sponsoring an essay contest for the Poultry Congress on the subjects "The Importance of Top Grade Market Poultry to Illinois Farm Income" and "The Economy and Health Value of Eggs in the Diet."

First and second prizes are scholarships of $200 and $100 to the University of Illinois. Cash awards will be made to non-college students. Harvey Sweitzer, Jr., Malta, Ill., state champion in 4-H poultry club work and national secretary of the Future Farmers of America, was the first youth to enter this contest.

**Dickelman Mfg. Co., Forest, Ohio, is offering $500 in cash prizes as expense money to the Congress in a contest closing July 1, 1939. They are also offering free admission tickets to the Congress.**

**Scientists from 21 Countries Submit Papers** — Scientists from the following countries have submitted titles of papers for the scientific program of the World's Poultry Congress, according to Berley Winton, chairman of the scientific program committee: Bulgaria, Canada, Czechoslovakia, Denmark, Egypt, England, Estonia, Finland, Germany, Holland, Hungary, Ireland, Italy, Japan, Palestine, Poland, Rumania, Scotland, Union of South Africa, Sweden and the United States. About 60 of the 180 papers to be given, will be by foreign scientists.

**Plan for Marketing Talks at Congress**—H. H. Alp, poultry extension specialist, University of Illinois, who is chairman of the popular program of the Poultry Congress, announces the following speakers and their subjects for the marketing section, Saturday, August 5, of the six-day short course:

Charles Cane, Rosemont, N. J., one of the pioneers in developing Flemington, N. J., Egg Auction, to speak on "Advantages and Disadvantages of Egg Auctions."

Herbert Beyers, Salt Lake City, Utah, general manager of Northwestern Turkey Growers' Association, to speak on "Trends in Turkey Marketing."

W. A. Maw, poultry specialist, McDonald College, Quebec, Canada, to speak on "Market Poultry with Egg Records."

Homer I. Huntington, Winsted, Conn., executive manager of New England Fresh Egg Institute, to talk on "Consumer Trends."

**Jacob Buxbaum, Boston member of the Massachusetts membership committee, turned in at his committee meeting, January 24, checks for $500 and $250 which he received on his first two visits to market poultrymen to tell them about the Congress.**

**Michigan Feed Trade Sponsors Essay Contest**—The Michigan feed trade is preparing to sponsor an essay writing contest on feeds among rural boys and girls in Michigan, according to A. G. Lohman, president of Michigan Feed Manufacturers and Dealers Association. Winners of the contest will be given trips to the World's Poultry Congress in Cleveland.

**Massachusetts Grange Pledges Help**—E. H. Gilbert, secretary of Massachusetts State Grange, pledged the support of his association, offering every help in promoting Congress plans.

## $1,000 in Cash
### for the Best Egg Meal Menu

The World's Poultry Congress National Committee has announced that it will give as a part of its consumer program, $1,000 in cash to the person submitting the best Egg Meal Menu for a "Dinner." This nation-wide contest is conducted in cooperation with the 48 states, which will award further prizes.

Anyone having an affiliated membership ($1.00) in the World's Poultry Congress is eligible to enter. Application for entering this contest can be made through the Secretary of the State Committee in the state where you live, and all Egg Meal Menus must be submitted to the State Secretary by May 1.

## $25.00 in Cash Prizes

*"Why I am going to attend the 7th World's Poultry Congress"*

If you are planning on attending the Seventh World's Poultry Congress in Cleveland, Ohio, this summer, you probably have some pretty definite reasons why you are going. Why not put those reasons in a letter and earn some extra cash? All you have to do is write a letter of not more than 500 words (the shorter, the better) on "Why I am going to attend the Seventh World's Poultry Congress."

The contest is open to all readers of Everybodys Poultry Magazine. A cash prize of $10.00 will be awarded for the best letter; $5.00 for the next best letter; and $2.00 each for the next five best letters.

All entries must be in the hands of the Congress Contest Editor, Everybodys Poultry Magazine, Hanover, Pa., by June 1, 1939.

The prize winning letters will be published in the July issue of Everybodys Poultry Magazine.



### *Going to the Congress?*

Have you bought your membership to the World's Poultry Congress? Such a membership costs only a dollar and entitles you to attend the meetings and to see all of the exhibits during the entire Congress without further admission charge. If you are not already a member, send your $1.00 to Everybodys Poultry Magazine, Hanover, Pa., and we'll forward it right along to Congress headquarters.


TOP-NOTCH QUALITY — ECONOMY PRICES

## PENNSYLVANIA FARMS HATCHERY
LEWISTOWN • • • PENNA.

**STATE SUPERVISED-OFFICIAL BLOOD-TESTED CHICKS**

THE GREATEST PRODUCTION TEST

**Conducted in 20 States by "Pennsylvania Farms" Customers—Our Pure Strains and Crosses Are Under Continuous Test**

Every year, thousands of customers are noting the livability of Pennsylvania Farms Chicks, the weight and finish of broilers and roasters and the high production and low mortality of pullets raised from our stock. . . . We print below a few excerpts from unsolicited letters telling of the wonderful records made by our stock in

**Livability, Growth, Early Maturity, Heavy Production.**

**Lively, Heavy-Set Chicks**
Hill Top Brooding System, Baltimore, Maryland.
Dear Sir: — We spent several years hatching chicks. Recent years, we have received from you thousands of chicks. Never one dead on arrival; not one weakling; nothing but large size, lively, heavy set, sturdy stock. These qualifications present a definite reason why your stock is so desirable to any one interested in greater profits and finer flocks.—DAVID W. McGOWAN.

**In 50% Lay at 5 Mos.**
Rhinebeck, New York.
Dear Sir:—500 Heavy Assorted chicks arrived 100% satisfactory. Pullets began laying at 4 months; at 5 months in 50% production. Cockerels at 5 months dressed 6 lbs., extra fine quality. — FOSTER D. HAPEMAN.

**95% Livability**
Miami, Florida.
Dear Sir:—Purchased 1,500 of your Special Mating New Hampshires. Had 95% livability. Sold 50 cockerels, average 4½ lbs., 16 weeks of age. Pullets started to lay at 4½ months; now up to excellent performance. Enclosing order for 300 more.—G. H. THURBER.

**Wants More of Our Leghorns**
Frankford, Delaware.
Dear Sir: — 500 Leghorn chicks received from you as healthy a bunch as I ever had. At 13 weeks old averaged 1¾ lbs. I sure want some more of your Leghorns next year.—MRS. LEE BAMBERGER.

**Starting Right**
Fayetteville, West Virginia.
Dear Sir:—I am tickled with my chickens, and had extra good luck with them, for livability was 99 per cent. Of course, getting nice plump chicks to start with, helps a lot.—H. C. WOODWINE.

**$51.25 Net Profit from 300 Broilers**
Keyesville, Virginia.
Dear Sir:—Made $51.25 net profit on 300 Hamp-Rock Cross Cockerels, with broiler prices down to 20¢. Second shipment of 300 also doing fine. Will send my order for 300 more.—C. P. FRANKLIN.

B. C. Raffensberger
Owner and Manager

**EVERY BREEDER**
Officially Selected and Blood - Tested under Supervision of Pennsylvania Dept. of Agriculture. Pullorum (B.W.D.) Free, and of Uniform Highest Quality.

**A Fine Job All Winter**
Chambersburg, Pennsylvania
Dear Sir:—Have been buying your Leghorn chicks several years, and always had wonderful success with them. This year I sold Leghorn cockerels at 8 weeks old, averaging 2 lbs. each. They are Large Type birds. Have 485 nice pullets now ready for laying houses. Last year's hens did fine job all winter and spring without moulting.—MRS. HARPER HECKMAN.

**SEX-SORTED LEGHORNS**
Pullets or Cockerels
**SEX-LINKED HAMP-ROCKS**
Pullets or Cockerels

**THE FINEST CHICKS AT THE LOWEST PRICES**

For ten years, we have striven unceasingly to turn out the finest Chicks that can be produced, and to sell them at the lowest prices consistent with quality.

Think of buying Chicks backed by ten years of State Supervision at the sensationally low prices quoted here! And where can you get more real, money-making quality?

Hundreds of delighted customers report these satisfying results:

Higher Production of Bigger Eggs; Faster-Growing, Full-Feathered Broilers and Roasters. Profits that liberally reward you for your time and effort.

**"PROFIT MAKERS By Inheritance"**
is the title of our 1939 Catalog. There's inspiration in it, with facts. This Catalog tells you what other ambitious people have done with our chicks. It describes our breeders, all Officially Selected and Blood-Tested under State Supervision. Write for your Free Copy today.

**WRITE NOW—TODAY**
Send your order at once. Remember a deposit of 1¢ per chick protects your delivery date.

**CHICK PRICES for Winter and Early Spring**

These prices are for immediate delivery or any time until April 30

| Prices per 100 in lots from 100 to 5,000 | | Grade-A Matings | Special Matings |
|---|---|---|---|
| WHITE LEGHORNS—"Big Type" | | $ 9.00 | $10.00 |
| SEXED LEGHORNS | —PULLETS 95% Accurate | 18.00 | 19.00 |
| PULLETS or COCKERELS | —COCKERELS 95% Accurate | 3.50 | 4.00 |
| NEW HAMPSHIRES | | 9.50 | 11.00 |
| BARRED ROCKS, WH. ROCKS, WH. WYANDOTTES, R. I. REDS | | 9.50 | 10.50 |
| HAMP-ROCK SEX-LINKED CROSS PULLETS OR COCKERELS | PULLETS (From U.S. Approved Breeders)—95% Accurate | 13.50 | 14.50 |
| | COCKERELS (From U.S. Approved Breeders)—95% Accurate | 9.50 | 10.00 |
| ROCK-HAMP BROILER CROSS—Both sexes BARRED | | 10.00 | |
| HEAVY ASSORTED—No Leghorns—no weaklings | | 7.50 | |

Add ½c per chick to above prices on orders for less than 100
Send 1c per chick deposit, balance C.O.D.
We PREPAY the POSTAGE and GUARANTEE 100% Live Arrival

**PENNSYLVANIA FARMS HATCHERY, Inc.**
BOX E, LEWISTOWN, PENNA.
*"Largest State Supervised Hatchery in Penna."*

*Send for this* FREE *Illustrated* CATALOG

# Poultrymen!

TAKE A LESSON FROM A CHAMP

**7 firsts in 2 Shows!**

Three firsts out of four in the New York Show . . . . four out of four in the Boston Show. Cider Hill Turkey Farm, Mystic, Conn., credits the winning performances to the birds' finish and states Produlac put them in fine condition.

PRODULAC can take your poultry out of the average class, too. Chickens, ducks, geese . . . all go for rations containing PRODULAC. Resulting increases in egg hatchability, improved appetites and better health have put dollars in wise poultrymen's pockets. Ask your dealer for descriptive booklet, or write direct to Dept. 2, Produlac Division, National Distillers Products Corporation, 120 Broadway, New York.

FOR A "BARREL OF PROFITS" Buy a BARREL of

**PRODULAC BRAND**
SEMI-SOLID DISTILLERS GRAINS MASH



HEN CHICKS FROM 2 to 9 YEAR OLD BREEDERS

**STERN BROS. Longevity LEGHORNS**

**Buy HEN Chicks**
for Larger Eggs, Lower Mortality

We supply many of New Jersey's most successful commercial egg producers with HEN Chicks from Breeders 2 to 9 Years Old. These Leghorn Hen Chicks will give you huskier pullets, capable of heavy production of large eggs, with low mortality.

**Straight New Hampshires and Rock-Hamp Cross** for Broilers, Roasters, and Large Brown Eggs.

SEXING SERVICE—Pullets or Cockerels—Guaranteed 90% Accurate.

**Write for Free Folder and Price List.**

STERN BROS. Dept. D, SO. VINELAND, N.J.



**50 YEARS OF PROOF THAT PARKS BARRED PLYMOUTH ROCKS ARE MONEY MAKERS**

50th Anniversary Catalog Free—all about World's Oldest and greatest strain. Combines EGGS, BEAUTY and MEAT. Customer certified laying reports up to 357 eggs in year, 148 eggs 148 days, laying at 113 days, flock averages up to 271 eggs. Making money everywhere—in COLD ALASKA, HOT VENEZUELA, far away BURMA, all over U. S.—wherever Profits, Livability, Quick Growth and HEAVY LAYING are appreciated. Blood tested, R.O.P. State Supervised. EGG—CHICKS and YOUNG STOCK. Priced Right.

J. W. PARKS & SONS, Box 5, ALTOONA, PA.



**40,000 CHICKS WEEKLY**

Purebred, Blood-Tested Barred & White Rocks, White Wyandottes, White and Brown Leghorns, Black & White Giants, New Hampshire Red-Rock Cross, and Anconas. Catalog Free.

L. R. WALCK HATCHERIES, Box E, Greencastle, Pa.



**AUTOMATIC ELECTRIC HEATERS FOR SMALL BROODERS $2.15**

Latest plans for HOME MADE equipment. Also fan brooders, incubators, water-heaters, burglar alarms, etc. Write for free new catalog.

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# Everybodys POULTRY PARTNER

Enclose a 3-cent stamp for reply when writing to Poultry Partner, Everybodys Poultry Magazine, Hanover, Penna.

### More on Cement-Sawdust Concrete

Q.—Would you please send me full information on just how to mix and apply cement-sawdust concrete? How thick would it have to be on the floor?—J. F. R., Nebr.

A.—The following are a few important facts to keep in mind in making cement-sawdust concrete:

Use sawdust from the main saw rather coarse in size and not less than one year old. White pine, spruce or hemlock is best. Sawdust from the resaw, or from factories or mills should never be used as the grains are too small. Sift the sawdust in a screen with a mesh of not less than one-fourth inch to remove the larger pieces of stringy bark. Use cement that is new, dry and free of lumps. Water should be pure and clean.

Buckets of known capacity must be used to measure the exact amount of water and cement required for the mixture. Bushel baskets or other measures should be used to measure the sawdust. It is very necessary to mix the concrete ingredients in a power-driven mixer. Wooden floats should be used to make the finish after the concrete is laid.

Cement-sawdust concrete floors for poultry houses should have a total thickness of 3 inches. The correct proportion to follow is 1 volume of cement to 3 volumes of sawdust, loose measure.

Since the amount of water in sawdust varies from 15 per cent to 250 per cent of the weight of dry sawdust, it is absolutely necessary to weigh a bushel of sawdust, loose measure, to determine the amount of water to add. Following are the number of gallons of water to add to each bushel of sawdust for a proper mix: 10 gals. of water to 10.5 lbs. sawdust, 9.5 gals. to 12.0 lbs., 9 gals. to 13.75 lbs., 8.25 gals. to 15.5 lbs., 7 gals. to 18.0 lbs., 6 gals. to 22.0 lbs., 5.25 gals. to 23.8 lbs., 5 gals. to 25.0 lbs., 4.75 gals. to 26.0 lbs., 4.25 gals. to 27.5 lbs.

Great care should be taken in measuring the water content of the sawdust, as this is a very important step.

First, mix the sawdust and cement dry in the power-driven mixer for one-half minute. Add the water gradually and mix the entire contents for not more than 4 minutes. Place all of the mixture before mixing another batch. Finish with wooden and steel floats. Keep damp for at least seven days, and then allow to dry for three days before using.

### Dampness Due to Crowding

Q.—I would like your assistance in solving the ventilation problem in our laying house. We have a new modern house with an approved type of ventilator. We don't feel it should be necessary to have a fire for the birds unless the temperature gets below 40 degrees, but they frequently need a fire solely to counteract the dampness even with a comfortable temperature. We aim to have the windows open wide enough to admit sufficient air, and yet sometimes as soon as you step in, you can just feel the dampness. Sweat even runs down the windows sometimes. In this house, 24 by 28 feet, we have about 250 hens.—M. H., Ohio.

A.—You did not mention what breed of chickens you are raising, but since you have 250 hens in a building 24 by 28 feet, you are allowing only 672 square feet for the flock, or less than 2.7 square feet of floor space per bird, which is not enough. From approximately 170 to 225 birds, depending upon the breed, are all that this house will accommodate satisfactorily without excess moisture and ventilation problems causing you trouble. I believe that if you were to cull out part of the birds in this house, you could reduce the amount of dampness.

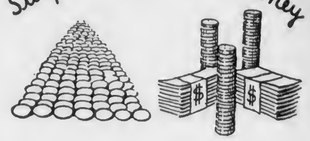
### Concrete Block Poultry Houses

Q.—Kindly advise me if a concrete block house would be too damp? Would it be alright with a concrete floor?—L. H., Pa.

A.—We do not run across concrete block poultry houses very frequently, which indicates that they are not very popular among poultry raisers, but if the house is located on a slightly elevated location where ground moisture will not be a factor and there will be a good circulation of air, a concrete block poultry house should work out satisfactorily. Providing you have a very good foundation under the floor so that no moisture can work up, a concrete floor should be alright and it certainly would be easier to keep in good condition than any other type of floor. Of course, good ventilation is very necessary to carry off moisture from this type of house.

One prominent Pennsylvania poultryman, who has both concrete block and cinder block laying houses, finds both of these working out very satisfactorily. He says that considering the fact that these houses do not have to be painted, the construction costs do not vary greatly from those of good wooden houses, and the block houses are fire-proof and more permanent than wooden houses.


Surplus Eggs Mean Money



**Use Mechling's Egg Preservative**

keeps eggs fresh until winter and beyond. Put eggs down now in Mechling's Egg Preservative, and sell all your next winter's new-laid eggs at highest winter prices. It's efficient and so easy to do—just add water per directions. Easy way to more egg profits.

Ask your dealer for Mechling's or write us for folder, "How to keep Eggs Fresh."

MECHLING BROS. CHEMICALS
DIVISION OF GENERAL CHEMICAL COMPANY
CAMDEN, NEW JERSEY
SALES OFFICES IN PRINCIPAL CITIES

New Laying House. 6000 Birds.

L. W. Steelman Formerly Pity. Specialist Pa. State College

WRITE FOR FREE COPY OF "HIDDEN PROFITS" IN STEELMAN'S

**12 MONTHS INCOME PLAN**

Our Pioneer Strain of New Hampshires averaged over 284 Eggs at Storr's Contest—Records up to 315 Eggs. Customer reports our Leghorns averaged 231 Eggs. Profit $2.68 per bird.

We offer All Popular Breeds. Chicks sexed or Unsexed—Agents Chick Selling Plan. Finance Plan. Bicycle Plan for Boys and Girls. All explained in Beautiful Illustrated Catalog. New Low Prices—Chicks 8¾¢ to 13½¢ Each. Write

STEELMAN POULTRY FARMS
BOX 4423, LANSDALE, PENNA.



**CLEMENTS BROS. Maine-Bred CHICKS**

4 FARMS Cooperating FOR YOUR BENEFIT

Clements Reds are peppy, Pullorum free and profitable. Maine-bred to "stand the gaff" and Maine Pullorum clean. They are unusual in quality and results. Bred to LAY—sure to PAY. Catalog tells about "co-operative savings" and about our White Rocks, Barred Rocks, Clem-Rock Crosses and Clem-Cross Baby Pullets also. Write today.

CLEMENTS BROS. FARMS
BOX 18 WINTERPORT, MAINE



**NEW HAMPSHIRE CHICKS**

Popular breed, R.O.P. stock. Ask for free paper. "Pine Top Poultry Tales." Will help any poultryman. Postal will do.

W. E. Goodson
Tamworth, N. H.

PINE TOP POULTRY FARMS, Inc



**CLOVERDALE CHICKS**

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|---|---|
| Large Eng. White & Brown Leghorns..... | $ 6.50-100 |
| Large Type Wh. & Br. Leg. Sexed Pullets.. | 12.00-100 |
| Bar. & Wh. Rocks, R. I. Reds ..... | 7.00-100 |
| N.H. Reds, Wyand. $8-100. Heavy Breed Ckls | 7.00-100 |
| (All Breeders Bloodtested) Mixed..... | 6.00-100 |

Heavy Pullets $9-100. 100% live del. PP. Cash or COD. Leg. Ckls. $2.50. Cat. Free. Hatch all year.

CLOVERDALE HATCHERY, Bx E, McAlisterville, Pa.




# The Situation BRIEFLY REVIEWED

**Egg prices** have dropped to a lower level during the past month with an unsettled outlook existing on February 21. Comparatively mild weather has tended to pep up production while dampening consumer demand. Nearby special whites on February 21 sold for 19½ to 19¾ cents a dozen on the New York market, while the same day last year they brought 21¾ to 22 cents a dozen. Nearby special browns were 19¼ to 19½ cents a dozen on February 21, compared with 22 cents a year ago. Mixed color firsts sold for 17½ to 17¾ cents this year, and 18¾ to 19½ cents a dozen in 1938.

**Egg production,** as indicated by receipts at the four largest markets (New York, Chicago, Boston and Philadelphia) from January 1 to February 11 was 3.3 per cent greater than that for the same period last year, but 8.0 per cent less than that for the corresponding period in 1937.

**Egg consumption,** as shown by trade output at the four major markets from December 31 to February 11, was 1.4 per cent below that for the corresponding period last year.

**Cold storage holdings of shell eggs** on February 1 were 56.6 per cent less than on the same day last year and 33.9 per cent less than the February 1 five-year average, 1934-38. Total case equivalent of both shell and frozen eggs on February 1 was 48.0 per cent less than on the same day a year ago and 16.9 per cent less than the February 1 five-year average.

**Total frozen poultry holdings** on February 1 were 16.8 per cent above those on the same day last year, and 5.0 per cent above the February 1 five-year average, 1934-38.


FOR GREATER PROFITS FEED

**STONEMO GRANITE GRIT**

FIRST CHOICE OF FAMOUS BREEDERS EVERYWHERE

FOR BABY CHICKS • FOR GROWING PULLETS • FOR MATURED BIRDS • FOR TURKEYS

START YOUR CHICKS RIGHT FEED STONEMO

**Four BIG REASONS**

**IMPROVED HATCHABILITY RECORDS**

STONEMO Granite Grit increases hatchability by helping to keep the hen's entire system in perfect working order. Since it is insoluble, STONEMO helps to balance the calcium intake. Research work by government poultry scientists shows that too much calcium lowers hatchability. When you include STONEMO in your feeding plan, you run no chances of upsetting the mineral balance.

**BETTER GROWTH & LIVABILITY**

STONEMO Granite Grit aids growing birds to digest their feed completely and helps to prevent various digestive disturbances. The presence of STONEMO strengthens the organs, makes them firm instead of flabby, and lessens chances for diseases to get a foothold. STONEMO helps to grow stronger, healthier birds—birds that will live longer.

**INCREASED EGG PRODUCTION**

Everywhere the largest egg producers and the best known breeders are using STONEMO to increase egg production and keep it at a high, profitable level, because they know that STONEMO helps develop birds that can shell out greater numbers of eggs. More eggs and healthier birds go hand in hand when STONEMO Granite Grit is fed.

**CONTEST WINNERS "STONEMO FED"**

A large percentage of the U. S. Contest winners each year are birds which have been "Stonemo" raised. The coveted award of "Hen of the Year" during 1936 and 1937 went to birds which were "Stonemo fed." Stonemo Granite Grit is a boon to layers and helps them to stand up under heavy production.

**USE COUPON FOR PROOF OF RESULTS**

J. W. Parks, famous Barred Rock Breeder writes: "We have been using STONEMO Granite Grit about as long as any poultryman. We feel without 'Stonemo' a chicken's feed would be no more digestible than an unchewed dinner."

**Avoid Substitutes**

For greater profits feed STONEMO GRANITE GRIT. Don't be misled—there is no substitute—insist on STONEMO—the genuine — sold on money-back guarantee.

MONEY BACK GUARANTEE

Get this free book today. Tells why it pays to feed "Stonemo." Gives successful experiences of prominent breeders everywhere.

"FREE DO NOT PAY A CENT"

STONE MOUNTAIN GRIT CO., INC., LITHONIA, GA.

NAME_____

STREET_____

TOWN_____

STATE_____

**TAKE NO CHANCES**

**INFLAMMABLE LITTERS ARE A GAMBLE!**

Don't risk your investment in chicks and equipment on saving a few cents with fire-inviting litters. An overheated brooder stove...a flying spark...a fire...and you may lose all. Play safe. Use PIC Litter. It's non-inflammable, offers these many time- and money-saving advantages.

1 SAVES WORK
2 CONTROLS DAMPNESS
3 PROMOTES SANITATION
4 STOPS FEED WASTE
5 REDUCES FIRE HAZARD
6 PAYS FOR ITSELF

What's more, when PIC Litter is manured, you can sell it to gardeners at a profit. Write today for details. Address Dept. EPM-3 Peat Import Corporation, 155 John Street, New York, N.Y.

**PIC PEAT LITTER**
*Emblem-Protected*
**PEAT LITTER PAYS**



**CHRISTIE'S** *New Hampshires* Burst Forth Full of **SPIZZERINKTUM**

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| Large Type W. Leghorns ..... | 7.00 | 35.00 | 70 |
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# Carbon Monoxide May Cause Brooding Losses

By O. K. Moore

AT this season of the year when thousands of chicks are being brooded under brooding stoves operated by various types of fuel, it is essential that two precautions be taken to prevent suffocation of chicks from heating units which may give off fumes laden with carbon monoxide gas. First, the stove should be operated in such a manner as to prevent the production of fumes, and secondly, the brooder house must be perfectly ventilated to transport rapidly these fumes out of the house and away from the chicks when they are produced.

### Have Enough Fuel

Keep the stove supplied with plenty of fuel oil so that it will not go out over night. Many brooders utilizing kerosene, furnace oil, or distillate as fuel give off fumes with carbon monoxide gas if allowed to go out upon exhaustion of the fuel supply. Prevent such accidents by refilling the stove daily.

When firing up a brooder, stay around it for a while to be sure that the flame doesn't run up and give off fumes. See that burners stay clean and free of carbon. Furthermore, if the brooder is of the wick type, keep the wick trimmed to insure an even flame, and renew them frequently. Stoves having smoke and exhaust pipes demand continual examination. Be on the outlook for leaking pipes which may emit smoke and fumes into the brooder house. Keep an eye on dampers and have them functioning properly.

Should the brooder house be well ventilated, there is less chance for suffocation of chicks for the fumes are removed rapidly before danger arises. The air in the house can be kept relatively free of objectional odors if it is changed at frequent intervals by admitting fresh air through intakes and by its escaping through exhausts, yet the air must not be allowed to rush through in too great a volume for economy in heating must also be considered.

### Water Heaters Need Attention

Again, it will be advisable to prevent carbon monoxide poisoning in the laying house. Kerosene operated water heaters and lanterns, which are sometimes used to illuminate laying houses during the long winter nights, must be kept clean, the wicks must be trimmed, and plenty of fuel must also be provided for these devices as was advised with the operation of brooder stoves. The proper functioning of these instruments together with the laying house heater, should one be in use, is imperative for the prevention of fires and laying house mortality caused by suffocation from birds inhaling poisonous fumes.


**WHITE PLYMOUTH ROCK**
BABY CHICKS.... $12. PER 100
EGGS FOR HATCHING.... $7. PER 100

All Eggs used are from My Own Breeders. 100% State Tested (BWD free). Tube Agglut. TOLMAN'S ROCKS famous for generations for RAPID GROWTH, EARLY MATURITY, Profitable EGG YIELD. Ideal combination bird for broilers, roasters or market eggs.
Send for FREE Circular
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JOSEPH **TOLMAN** ROCKLAND MASS.



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Leghorns-Reds-Rocks-Wyandottes
New Hampshires-Hallcross (Crossbred) Chicks
All chicks produced from flocks tested for Pullorum Disease (B.W.D.) by the Official State testing agency of one of the six New England States, with NO REACTORS FOUND
Tube Agglutination tested within the preceding calendar year.
"WELL BRED from WELL BREEDERS"
"Never a week without a hatch" since 1927.
Pullorum Free by State Test since 1928.
Quality chicks since 1911. Catalogue free.
We ship prepaid, and guarantee 100% live delivery.
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Superior quality Pekin Ducklings and Bronze Turkey Poults at lowest prices. Indian Runner ducklings, Chicks, Eggs. Free catalog tells of excellent profits.
Hile Duck Farm, Box E, Carey, Ohio




Brooding demonstrations in Todd County, Kentucky, during 1938, show that of 8,724 chicks started, 96 per cent were raised through the first 12 weeks of brooding with an average feed consumption of 6.6 pounds of feed per chick.

# Sanitation Important in Farm Feeding

By Howard J. Eshelman

In a modern feed manufacturing plant, cleanliness and sanitation is a first essential. In maintaining this high ideal—from the selection of raw materials to the packing of the finished product and the loading of cars, vast sums of money are saved for the feeder every year.

Every shipment of the raw materials and of the finished product, both inbound and outbound, is cleaned and recleaned to prevent foreign matter from finding its way to the feeder. Milling and manufacturing equipment is kept just as scrupulously clean as would be if used for processing human foods. Even freight cars, in which commercial mixed feeds are loaded for shipment, are first cleaned and then lined with heavy paper as a final means of protection against contamination of the feed.

Science has made contributions of inestimable value to the feeder, but unless he keeps his animals and equipment clean and sanitary, the efforts of the scientist, and the manufacturer, are to no avail.

### Clean Bill of Health on Feeds

Frequently when feeders do not secure profitable results from well known brands of commercially mixed feed the trouble is found to be lack of hygiene and sanitation. Only one sample, for instance, out of more than a thousand samples of feeds of various manufacturers, submitted by feeders to an Ohio station for examination, was found to be in any way detrimental. In many cases the animals which consumed the feeds in question and died, were autopsied. In practically every case, disease was found to be present, and the feed in no way responsible. This speaks remarkably well for commercially manufactured feeds.

The poultry industry in the United States represents a billion-dollar industry and has attained second place in agricultural importance. Proportionately, the amount of money wasted because of mortality in chicks and in the laying flock, because of disease, retarded production, and many other reasons, is appalling. Many of these losses are directly due to lack of sanitation, which could be controlled. While perfect sanitation is hardly possible, the more sanitary methods that are adopted, the less chance there is for disease to become established.

### Second-Hand Bags Dangerous

A dangerous source of infectious diseases, in both the poultry and dairy fields, lies in the use of second-hand bags, even though the manufacturer takes every precaution to prevent contamination by fumigation and thorough cleaning. Reputable manufacturers discourage the use of secondhand bags because they believe that the few pennies that can be saved are not sufficient compensation for the dangers involved in this practice.

Sanitation need not be costly, but it pays big dividends. The labor and equipment invested in a worth while system of hygiene, no matter how elaborate, is far less costly than the loss of a flock, stunted growth, or retarded production.


**Their Growth Organs have Hungered for one "TRACE ELEMENT" since TIME began!**

A HUNGER, centuries old, still gnaws the growth organs of modern chicks. Confined and forced to live away from natural supplies of certain rare mineral foods, this hunger is probably greater than ever now.

Manganese is an example. Only yester-year men ignored it. Just tiny traces are found in chicks and eggs, so it was thought unimportant. Science now knows chicks have hungered for manganese, since time began. Just 4 tiny ounces, added to a ton of chick mash increased growth as if by magic. And it prevents slipped tendon!

Manganese is a "Trace Element." The earth crust, . . . through which Nature feeds wild men, beasts and birds, . . . contains numerous "Trace Elements," . . . cobalt, nickel, titanium and many others.

Like manganese, tiny traces of each are found in chicks and eggs. Some are KNOWN to have important functions. Most still have science baffled. Surely wise Nature uses them for some good reason. So we've added all "Trace Elements" found in chicks, to PRATTS BABY CHICK FOOD.

We know copper and iron prevent weak, anemic chicks, . . . zinc helps vitamin absorption, . . . titanium nourishes the glands, . . . and glands control growth and egg production!!

All these are "Trace Elements." All these and more are now ingredients in Pratts Chick Starter. We've fed them to our own chicks for 2 years. Never have we had such healthy, profitable flocks, . . . such *low* mortality. "Trace Elements" brought out the hidden health in our chicks. They will bring it out in yours.

*See your dealer today. Demand Pratts Buttermilk Baby Chick Food, . . . the only starter specifically fortified with "Trace Elements."*

*Now Contains* **"TRACE ELEMENTS"**

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Philadelphia, Pa.
I wish to register my flock in Pratts FREE Health Program. I understand that there will be no charge for this service and that I am not required to buy anything to get it.
This year I will raise.....Chicks
I will start them..... (Give number) (Give date)
NAME..... (Print clearly)
ADDRESS.....
TOWN.....STATE.....

**Register Your Flock In Pratts FREE HEALTH PROGRAM**

Let Pratts guide you to healthier, more profitable flocks. Send in the Registration Blank and you will receive a steady stream of Health Bulletins . . . for the next 6 months, . . . that will help you cut mortality.

**There is no charge for this service. You are not required to make a purchase. Send REGISTRATION BLANK TODAY!**

**Pratts** *Buttermilk* **BABY CHICK FOOD**
MASH OR PELLETS

## Remarkable Success

### Raising Baby Chicks

"Dear Sir: I see reports of so many losing their little chicks, so thought I would tell my experience. I used to lose a great many of the little downy fellows from bowel troubles, tried many remedies and was about discouraged. As a last resort I tried Walko Tablets. I used two 50¢ boxes, raised 300 White Wyandottes and never lost one or had one sick after using the Tablets and my chickens were larger and healthier than ever before." –Mrs. C. M. Bradshaw, Diagonal, Iowa.

### You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Give them in all drinking water from the time chicks are out of the shell. Satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. You buy Walko Tablets entirely at our risk. We guarantee to refund your money promptly if you don't find them the greatest little chick saver you ever used. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer can not supply you. Price 50¢ and $1.00.

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**Dept. 790, Waterloo, Iowa**

"Well, see ya tomorrow, Charlie!—Don't put yer head under any hatchets!!"


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*They'll make you a profit*
*Even when eggs are low*

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- Special Introductory Offer—Send for our 1939 catalog today.

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45 years breeding behind every Avery Red. 100% B.W.D. free last 19 years—over 90,000 birds tested. Only U.S. R.O.P. males, of known ancestry with sisters trapnesting satisfactorily, used. All breeders chosen for livability, vitality, feathering, growth and production qualities. Send today for free catalog containing customer results on Avery Reds, Crosses and Pullets. Satisfaction guaranteed.
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World Champion Hen-U.S.R.O.P.–Send for Mating List.
**R. WALTER BISHOP,** Box 136, Guilford, Conn.


## *Beware of Chick Auctions*

[Continued from page 7]

three days time, they were all dead. Another purchased 150 chicks, and within a week, the original investment, labor, coal, feed, etc., were a total loss.

**"Straight Run" Chicks Were Cockerels**

In another case a Chester County woman bought 1500 straight run Single Comb White Leghorns, only to discover that there were only about 10 per cent pullets when the chicks became mature enough to identify the sex. Plans had been made for housing 500 to 600 pullets but there were only about one hundred suitable for housing and it was too late to buy more, because the season had advanced too far.

In the first two cases, the identification of the seller was known and through the efforts of agents of the Department of Agriculture, replacements were made. In the latter case, there was no identification and, thus, the Chester County woman went through the season with four to five hundred less pullets than she had planned on.

Doesn't it seem more logical to give careful consideration to purchases before they are actually made? There are reputable breeders and hatcherymen in most every community, whose reputations depend upon their integrity and the satisfaction offered to the chick buyers.

There are breeders and hatcherymen at distant points who operate their business on a long time basis, and it is their desire to serve their customers to the greatest of satisfaction. Don't take chances, patronize the man who stands back of his product and in the long run save the cost of chicks, labor, feed, etc., in results from mature birds that live, lay and pay.

Certain regulations have been set up in Pennsylvania by the Department of Agriculture, as a means of protecting the buyer and instructing the seller in a manner that will help him to operate in competition with the chiseler who is interested only in his commission. I quote the major portion of the regulation:

"Containers holding chicks, when offered for sale as a unit in this Commonwealth, must in every case, carry on them the following markings in clear, legible characters, number of chicks, breed of chicks, date hatched, whether bloodtested or not bloodtested, cockerels, pullets or straight run, name and address of producer and name and address of seller."

If every buyer visiting an auction will check on this information, he will be certain of greater protection than has ever been the case before this time. Every seller should also take heed and be sure that the information required is placed on the package offered for sale. Dead chicks do not count in the number that are required to be specified.

Chicks are not always chicks, anymore than eggs are always eggs. Profitable chicks can be purchased more readily from a reputable breeder, hatcheryman or dealer than through an auction market just the same as good eggs can be purchased more readily from a reliable merchant.


**HEIZER'S CHICKS of Distinction**
**90% SEX GUARANTEE**

| Standard Mating (Unsexed) | Stock Bloodtested 100% 100 | 500 |
|---|---|---|
| Barred, White, Buff Rocks, White, Silver Laced Wyandottes, Rhode Island Reds, Buff Orpingtons, Buff, Black, White Minorcas, Rhode Island Whites ..... | $7.75 | $37.50 |
| Anconas, Blue Andalusians (three colors), Single & Rose Comb Brown Leghorns, Buff, Black & English White Leghorns (large type) ..... | 7.25 | 35.00 |
| New Hampshire Reds, Black Australorps, Black & White Giants ..... | 8.75 | 42.50 |

Heavy Breed Pullets (except Australorps and Giants) $10.75. Australorp, New Hampshire & Giant Pullets, $12.75. Heavy Cockerels (except Giants), $7.50. Giant Cockerels, $9.50. Light Breed Pullets, $14.75. Leghorn Cockerels, $3.50. Light Assorted Cockerels, $3.00. Heavy Assorted (unsexed), $6.50. Light Assorted (unsexed) $3.50. Prices cheaper in lots of 300-500. Postage Prepaid. For AAA Mating ADD $1.00 per 100 chicks to above prices. Write for complete prices and 1939 calendar catalog.
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Campbell's Calcite Grit is the only natural Manganese-content grit. Hard and sharp enough to grind feed thoroughly. Requires no supplement calcium. Cuts grit costs, produces better eggs. Send for samples and circulars. HARRY T. CAMPBELL'S SONS' CO., TOWSON, MD.

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Perfect sanitation is essential in successful chick raising. HTH-15 kills germs in drinking water. As a spray it thoroughly disinfects brooder houses and equipment. Guards against respiratory diseases when used as a "dust". At your dealers or write for FREE ¼ lb. sample and more information.
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White Leghorn Chicks win FIRST, SECOND and THIRD five times in last 6 years.
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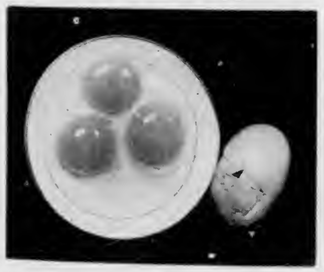
Adequate insulation on the walls and ceiling will not only keep the litter drier and the water warmer, but will prevent condensation of moisture and will keep the house more comfortable. The more insulation there is, the more ventilation can be restricted without causing dampness. With the added warmth, the birds will need less feed, will be freer of respiratory diseases.

## *Triple Yolk Egg*



On January 25, a Barred Rock hen on the Kerr Breeding Farm of New Jersey laid this triple yolk egg. It measured 9¾ inches in circumference the long way and 7½ inches around the middle, contained three normal size perfectly formed yolks and about three times as much white as a normal, single yolk egg.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Caratone is a high protein, high fat, free flowing, yellow powder. It provides concentrated, natural vitamin A (carotene) the same form as found in yellow corn, carrots, tomatoes and leafy plants. It assures even distribution through the batch, easy mixing and easy handling. Delivered in jute bags with a kraft liner, it saves time and trouble—no drums to bother with and pay charges on.

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**HELP YOUR CHICKS USE MORE OF THE FEED THEY EAT**

The secret of rapid, sturdy growth is not how much you feed, but how well the feed is utilized. When well-balanced starter and growing mashes are Iodized, you improve the digestion of proteins required for body building. You help the chicks build bone—for Iodine helps speed mineral assimilation.

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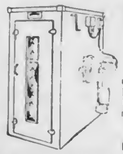

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Large Type W. Leg. Pullets (95% guar.) .... $12-100
Unsexed Large W. Leg. $7-100; N. H. Reds . $9-100
Bar. Rocks, R. I. Reds $7.50-100; Mixed .. $6-100
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ALL-AMERICAN HIGH, ALL BREEDS, DECEMBER

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This is the pen which is rated High Pen of ALL Standard Contests in the United States with a score on Dec. 31st of 1030 Eggs, 1037.30 Points.

Our Other Pens Also Making Contest History

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Western New York: First High Pen, ALL Breeds, Breeder Class
New York State (Farmingdale): First High Red Pen
Storrs, Conn: First High Red Pen
Vineland HEN Test—First High Red Pen—2-yr. class lifetime score.
In addition, we have been awarded the contract for supplying eight Massachusetts State Institutions with Chicks for the eighth consecutive year. Yours will be of the same quality.

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RHODE ISLAND REDS.-.ROCK-RED CROSS

All our R. I. Red Chicks are of the same breeding as our Contest Winners. All eggs set, both Straight R. I. Red and Rock-Cross are produced on our own farms. A $500 bond backs our guarantee that every chick goes out pullorum free. Our output is limited to our own breeders, so make your reservation at once.
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MASSACHUSETTS R.O.P. CONTROL ASSOCIATION
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Winners at R. I. Contest
2505 eggs 2646 points. 25.1 oz. egg size. Storrs results 2665 eggs 2794 pts. By exacting breeding effort, we have developed big egg, high-production contest winners, plus amazing body and bone growth, flock vigor and low mortality. Free folder gives details of our breeding results and contest results. Write today.

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200 West Road, SHILOH, N. J.

# Laying Tests Summarized

A. E. Guinn's White Leghorn hen at Georgia and Weber Duck Farm's Rhode Island Red hen at Michigan each laid an egg a day during January, and remain at the top of the list. Both hens have more than a point a day for the 123 days thus far in the 1938-39 test year.

Ford's Riverbank Farm led all standard test pens for January with 367 eggs and 374 points. These Rhode Island Reds at Maine averaged to lay more than 28 eggs per bird during the month. Pens of heavy breeds outlaid and outpointed the light breeds during January by taking first place at 12 of the 16 tests.

### Texas Test Moves Onward

Texas pens advanced even further ahead of all other tests during the past month by shelling out the eggs at a rate of more than 69 per cent. Georgia birds hold second place, while Arizona entries moved up into third position, just ahead of Hunterdon, N. J., layers.

### Warren's Lead Cut Down

J. J. Warren's Rhode Island Reds at Passaic, N. J., still look down from the top perch on all other pens, but Kauder's Pedigreed Leghorns at Storrs have moved up to within two points of the leaders and are ready to take over the throne. Nelson's Leghorns remain in third position, a place they have held for three months straight. Thomas Mettler's Rhode Island Reds, heaviest layers for January and to date at Hunterdon, N. J., leaped from ninth place to fourth place among all tests. Guy A. Leader's Leghorns at Pennsylvania rank fifth, Kauder's Leghorns at Georgia occupy sixth place, Vans R. Otey's Reds at Florida climbed three notches to take over seventh position, Foreman's Leghorns at Texas follow in eighth place, Dublin Leghorns at Georgia have ninth, and Erath Leghorns at Texas, tenth.

### Kauder's Birds Pull Ahead

Although a week late in starting the year, Kauder's Leghorns at Storrs have been gaining each week and jumped into the lead in the Leghorn division, marking the fourth time in the four months that a different breeder has had top pen in this class. In hot pursuit are Nelson's Leghorns at Texas, which have been close to the top since the test year started. Guy A. Leader's number one pen last month holds third position in this breed.

Ford's Riverbank Farm sponsors two new pens in the top ten among the Rhode Island Reds this month. The Maine pen shot all the way up to fifth place in the breed, while the other took over ninth position.

### Williams Pushes Eben Wood's Pen

A. J. Williams' two pens of New Hampshires at Florida are closing in on Eben Wood's leading pen at Maine and threaten to forge ahead. Eben Wood's Barred Rocks at Maine have built up a slightly greater lead, although Dryden's Barred Rocks at Central New York and at Missouri are well within striking distance. Weber Duck Farm has fourth best Barred Rock pen. Riley Poultry Farm's Barred Rock pens put on the pressure during January and claim three of the ten top positions in this breed to date.

### Standard Hatchery Holds Illinois Lead

White Leghorns of Standard Hatchery continue in first place through the three months thus far at Illinois. Walter Swanson's White Leghorns occupy second high position in this non-standard test. Egyptian Hatchery's Leghorns were high for January. High bird to date is Mapleside Poultry Farm's Barred Rock.

### Schrope Leads in Pennsylvania Hen Test

John Schrope's White Leghorns topped all other pens in the Pennsylvania Hen Test for January and lead for the year thus far. J. A. Hanson's White Leghorns have piled up the greatest number of points through the last 16 months. A. M. Wolgemuth's White Leghorn pen and hen leads in the three-year old class.

### Dembro Farm Leads at Vineland

Dembro Poultry Farm's White Leghorns at Vineland Hen Test were on top for the month and through the 123 days to date in the two-year class. John A. Clear's Leghorns are ahead in the three-year class, and Kauder's Leghorns lead for the four months in the four-year class. Kauder's Leghorn hen in the six-year class tops all individuals with 1188 points.

**High Pen, 13 Birds, to February 1 in Each Standard Test—(123 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1317 | 1340.35 | Pass., NJ. |
| Kauder's Ped. Leg. | Wh.Leg. | 1265 | 1338.55 | Storrs |
| Nelson's Leg. Br. | Fm.W.L. | 1271 | 1320.65 | Texas |
| Thomas Mettler | R. I. R. | 1317 | 1306.25 | Hunt. NJ. |
| Guy A. Leader | Wh. Leg. | 1289 | 1297.20 | Penna. |
| Kauder's Ped. Leg. | Wh.Leg. | 1261 | 1290.80 | Georgia |
| Vans R. Otey | R. I. R. | 1263 | 1288.05 | Florida |
| Eben Wood | N. Hamp. | 1226 | 1255.60 | Maine |
| Rochelle Htchy. | Wh. Leg. | 1242 | 1249.05 | Michigan |
| Clinard Htchy. | R. I. R. | 1200 | 1224.30 | Okla. |
| R.E.&F.H. Kendrick | R.I.R. | 1159 | 1211.35 | Rhode Isld. |
| Content Farms | Wh. Leg. | 1146 | 1152.20 | Cent. N.Y. |
| Dryden Pl. Br. Fm. | Bd.Rk. | 1102 | 1112.50 | Missouri |
| Colonial Pl. Fm. | N. Hamp. | 1101 | 1103.25 | Arizona |
| J. J. Warren | R. I. R. | 1007 | 1043.40 | West. N.Y. |
| Foreman Pl. Fm. | Wh. Leg. | 1061 | 1016.25 | N.Y. State |

**High Hen to February 1 in Each Standard Test—(123 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 119 | 129.10 | Georgia |
| Weber Duck Fm. | R. I. R. | 117 | 127.95 | Michigan |
| W. A. Seidel | Wh. Leg. | 115 | 125.55 | Texas |
| J. J. Warren | R. I. R. | 114 | 123.35 | Pass., NJ. |
| E. B. Parmenter | R. I. R. | 113 | 122.35 | Rhode Isld. |
| Dryden Pl. Br. Fm. | Bd.Rk. | 115 | 122.10 | Missouri |
| Colonial Pl. Fm. | N. Hamp. | 116 | 121.80 | Arizona |
| Gulfkist Pl. Fm. | Wh. Leg. | 112 | 121.30 | Florida |
| Thomas Mettler | R. I. R. | 110 | 119.15 | Hunt. NJ. |
| Redbird Farm | R. I. R. | 114 | 118.90 | Maine |
| Bryan J. Snell | Wh. Leg. | 111 | 118.70 | Penna. |
| Sand Springs H. Fm. | W.Leg. | 108 | 115.20 | Okla. |
| Douglaston Manor Fm. | R.I.R. | 107 | 113.65 | West. N.Y. |
| Steelman Pl. Fms. | N.Hamp. | 105 | 112.50 | Storrs |
| Dryden Pl. Br. Fm. | Wh.Leg. | 105 | 110.50 | Cent. N.Y. |
| J. J. Warren | R. I. R. | 104 | 105.10 | N.Y. State |

**Average Production and Mortality to February 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Jan. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 74.89 | 76.22 | 1.75 | 4.83 |
| Georgia | 1,300 | 73.95 | 71.16 | 1.76 | 7.69 |
| Arizona | 260 | 69.99 | 69.58 | 1.15 | 5.00 |
| Hunt., N. J. | 650 | 69.77 | 69.28 | 2.30 | 5.07 |
| Pass., N. J. | 1,001 | 66.51 | 65.47 | 1.09 | 4.19 |
| Storrs | 1,300 | 65.19 | 65.33 | 1.61 | 4.15 |
| Florida | 1,248 | 66.02 | 63.96 | 1.52 | 5.60 |
| Pennsylvania | 1,131 | 62.86 | 62.57 | 1.59 | 3.89 |
| Oklahoma | 650 | 63.15 | 62.46 | 1.69 | 5.53 |
| Rhode Island | 650 | 58.41 | 59.97 | 2.46 | 6.46 |
| Michigan | 897 | 59.67 | 59.41 | 2.22 | 6.35 |
| Maine | 1,027 | 56.51 | 54.85 | 3.21 | 7.20 |
| West. N. Y. | 884 | 56.01 | 54.40 | 1.13 | 2.60 |
| Missouri | 780 | 50.91 | 51.91 | 2.17 | 6.52 |
| Cent. N. Y. | 910 | 49.63 | 48.48 | 1.31 | 2.63 |
| N. Y. State | 1,222 | 47.75 | 46.38 | 1.71 | 5.97 |
| All Tests | 14,820 | 61.81 | 61.04 | 1.79 | 5.26 |

A partial view of the Georgia National Egg Laying Test, located on the grounds of the University of Georgia, Athens, Ga. There are four rows of houses, with 13 houses to a row. Each house accommodates two pens with a separate yard for each pen. The plant was built in 1926 and the first Georgia Test started on November 1 of that year. Frank E. Mitchell was manager until 1930 when he became head of the poultry department of the University of Georgia. Since 1930, J. C. Bell has been manager. Through the 12th Georgia Test, ending in September 1938, a total of 10,682 birds, excluding alternates, have been entered. During the 1938 test, 104 hens laid 300 or more eggs apiece, bringing the total of 300-eggers at Georgia to 492. This test shares the honor with Storrs of having the largest standard test in the country. Through January, it ranks second highest in average production among all tests.



**High Pen, 13 Birds, Each Breed to February 1—(123 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1317 | 1340.35 | Pass., N.J. |
| Kauder's Ped. Leg. | Wh.Leg. | 1265 | 1338.55 | Storrs |
| Eben Wood | N. Hamp. | 1226 | 1255.60 | Maine |
| Eben Wood | Bd. Rk. | 1170 | 1145.65 | Maine |
| Oscar W. Holtzapple | W.Rk. | 1148 | 1132.00 | Georgia |
| Colonial Pl. Fm. | Wh. Wy. | 1087 | 1119.10 | Texas |
| Louuie Van Sant | Bl. Aust. | 1071 | 1098.85 | Arizona |
| Ben G. Munroe | Anc. | 900 | 907.75 | Texas |
| Colonial Pl. Fm. | Wh.Min. | 871 | 886.10 | Georgia |
| Lindstrom Pl. Fm. | Bf.Min. | 874 | 856.25 | Missouri |
| Raymond Murphy | Wh. Gt. | 743 | 782.85 | Missouri |
| Harry L. Phillips | Col.P.Rk. | 739 | 755.80 | Missouri |
| Henry F. Waitt | S. L. Wy. | 761 | 728.60 | Maine |
| S. E. Raymond | Lamona | 673 | 710.60 | Storrs |
| Eagle Nest H&B Fm. | Bf.Rk. | 592 | 606.76 | Maine |
| Laclede Hatchery | Bf. Orp. | 656 | 600.10 | Florida |
| Blue Ribbon Fm. | R. I. W. | 585 | 586.80 | Texas |
| Wm. W. Lehman | Bf. Leg. | 517 | 507.95 | Penna. |
| Cedarlaid Pl. Fm. | Br.Leg. | 508 | 494.30 | Florida |
| Hall Bros. Htchy. | Cross | 345 | 353.90 | N.Y. State |

**High Hen Each Breed to February 1—(123 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 119 | 129.10 | Georgia |
| Weber Duck Farm | R. I. R. | 117 | 127.95 | Michigan |
| Dryden Pl. Br. Fm. | Bd.Rk. | 115 | 122.10 | Missouri |
| Colonial Pl. Fm. | N. Hamp. | 116 | 121.80 | Arizona |
| Oscar W. Holtzapple | Wh.Rk. | 109 | 117.10 | Georgia |
| Lindstrom Pl. Fm. | Wh.Wy. | 106 | 115.00 | Georgia |
| E. S. McSweeny | Bl. Aust. | 105 | 110.70 | Arizona |
| Raymond Murphy | Wh. Gt. | 105 | 109.25 | Missouri |
| T. D. Brown | Wh. Min. | 90 | 95.40 | Texas |
| S. E. Raymond | Lamona | 84 | 91.95 | Storrs |
| Missouri Valley H. | Anc. | 86 | 91.80 | Okla. |
| Donald C. Chandler | S.L.Wy. | 92 | 91.20 | Maine |
| Harry L. Phillips | Col.P.Rk. | 94 | 88.10 | Missouri |
| Lindstrom Pl. Fm. | Bf.Min. | 85 | 84.40 | Missouri |
| Blue Ribbon Farm | R.I.Wh. | 77 | 82.70 | Texas |
| Eagle Nest H&B Fm. | Bf.Rk. | 78 | 82.60 | Maine |
| Iowa Master Breeders | Bf.O. | 82 | 79.40 | Missouri |
| Missouri Valley H. | Bf.Leg. | 92 | 74.00 | Maine |
| Cedarlaid Pl. Fm. | Br.Leg. | 81 | 72.55 | Florida |
| Hall Bros. Htchy. | Cross | 64 | 68.80 | N.Y. State |

**High Pen, 13 Birds, for January in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Ford's Riverbank Fm. | R.I.R. | 367 | 374.55 | Maine |
| Foreman Pl. Fm. | Wh. Leg. | 346 | 370.35 | Texas |
| E. N. Larrabee | N. Hamp. | 342 | 366.05 | Storrs |
| J. J. Warren | R. I. R. | 337 | 365.25 | Rhode Isld. |
| Thomas Mettler | R. I. R. | 349 | 357.25 | Hunt. N.J. |
| Dublin Pl. Fm. | Wh. Leg. | 343 | 354.00 | Georgia |
| Egyptian Htchy. | Bd. Rk. | 349 | 350.50 | Missouri |
| J. A. Hanson | Wh. Leg. | 323 | 342.70 | Arizona |
| Vans R. Otey | R. I. R. | 321 | 340.35 | Florida |
| Ford's Riverbank Fm. | R.I.R. | 324 | 338.75 | Michigan |
| J. J. Warren | R. I. R. | 306 | 330.05 | Penna. |
| Chas. M. Lathrop | Bd. Rk. | 307 | 327.25 | Pass., N.J. |
| Content Farms | Wh. Leg. | 308 | 324.40 | Cent. N.Y. |
| J. J. Warren | R. I. R. | 297 | 312.55 | N.Y. State |
| Mrs. Lillia Ringen | R. I. R. | 302 | 305.55 | Okla. |
| Fuzzydale Fms. | N. Hamp. | 262 | 275.80 | West. N.Y. |

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### Wegatepa Reds Ahead at Paterson

Despite the fact that E. B. Parmenter's Rhode Island Red pen at the R. O. P. Progeny Test, Paterson, N. J., tied Wegatepa Farms' Reds for January, each pen getting 362 eggs and 370 points, the Wegatepa Reds continue to dominate. Wegatepa Farms have the highest pen, the highest hen, and the highest family to date in this new test.

### Warren Reds Continue Pace

J. J. Warren's 20-bird pen of Rhode Island Reds at the Western New York Testing Project are out in front with 1583 points and 1543 eggs to date. Fuzzydele Farms' New Hampshires led for January at this test with 417 points and 393 eggs.

Content Farms' White Leghorns at the Central New York Testing Project piled up a total of 494 points from 471 eggs in January to increase their lead over all other pens, bringing their total to date to 1746 points and 1749 eggs.

**Ten Highest Standard Test Pens in Entire Country to Date—(123 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| J. J. Warren | R. I. R. | 1317 | 1340.35 | Pass., N.J. |
| Kauder's Ped. Leg. | Wh.Leg. | 1265 | 1338.55 | Storrs |
| Nelson's Leg. Br. Fm. | W.L. | 1271 | 1326.65 | Texas |
| Thomas Mettler | R. I. R. | 1317 | 1306.25 | Hunt. N.J. |
| Guy A. Leader | Wh. Leg. | 1289 | 1297.20 | Penna. |
| Kauder's Ped. Leg. | Wh.Leg. | 1261 | 1290.80 | Georgia |
| Vans R. Otey | R. I. R. | 1263 | 1288.05 | Florida |
| Foreman Pl. Fm. | Wh. Leg. | 1246 | 1281.85 | Texas |
| Dublin Pl. Fm. | Wh. Leg. | 1295 | 1281.60 | Georgia |
| Erath Egg Fm. | Wh. Leg. | 1251 | 1276.70 | Texas |

**Ten Highest White Leghorn Pens in Entire Country to Date—(123 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Kauder's Ped. Leghorns | 1265 | 1338.55 | Storrs |
| Nelson's Leg. Br. Farm | 1271 | 1326.65 | Texas |
| Guy A. Leader | 1289 | 1297.20 | Penna. |
| Kauder's Ped. Leghorns | 1261 | 1290.80 | Georgia |
| Foreman Poultry Farm | 1246 | 1281.85 | Texas |
| Dublin Poultry Farm | 1295 | 1281.60 | Georgia |
| Erath Egg Farm | 1251 | 1276.70 | Texas |
| W. A. Seidel | 1216 | 1275.05 | Texas |
| Woodlawn Farm | 1199 | 1273.45 | Texas |
| Kauder's Ped. Leghorns | 1245 | 1264.20 | Georgia |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(123 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| J. J. Warren | 1317 | 1340.35 | Pass., N.J. |
| Thomas Mettler | 1317 | 1306.25 | Hunt. N.J. |
| Vans R. Otey | 1263 | 1288.05 | Florida |
| J. J. Warren | 1186 | 1255.25 | Storrs |
| Ford's Riverbank Farm | 1292 | 1247.60 | Maine |
| Ralph W. Anderson | 1179 | 1241.10 | Storrs |
| Cliheard Hatchery | 1200 | 1221.30 | Okla. |
| Cane Poultry Farm | 1192 | 1219.25 | Hunt. N.J. |
| Ford's Riverbank Farm | 1211 | 1212.80 | Michigan |
| R. E. & F. H. Kendrick | 1159 | 1211.35 | Rhode Isld. |

**Ten Highest New Hampshire Pens in Entire Country to Date—(123 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 1226 | 1255.60 | Maine |
| A. J. Williams | 1217 | 1251.90 | Florida |
| A. J. Williams | 1226 | 1238.70 | Florida |
| Thomas J. Harrold | 1255 | 1220.30 | Georgia |
| Steelman Poultry Farms | 1145 | 1177.40 | Storrs |
| Hubbard Farms | 1175 | 1165.90 | Storrs |
| Pine Mt. Valley Farms | 1096 | 1149.00 | Georgia |
| Quimby School | 1217 | 1111.95 | Maine |
| W. H. Boulware | 1123 | 1137.40 | Florida |
| James H. Horne | 1112 | 1117.60 | Maine |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(92 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 1170 | 1145.65 | Maine |
| Dryden Pl. Br. Farm | 1136 | 1113.05 | Cent. N.Y. |
| Dryden Pl. Br. Farm | 1102 | 1112.50 | Missouri |
| Weber Duck Farm | 1111 | 1059.15 | Maine |
| Riley Poultry Farm | 1050 | 1050.50 | Georgia |
| Fuzzydele Farms | 1050 | 1047.10 | Storrs |
| Booth Farms | 1134 | 1044.05 | Florida |
| Weber Duck Farm | 1068 | 1038.90 | Georgia |
| Riley Poultry Farm | 1017 | 1030.95 | Okla. |
| Riley Poultry Farm | 1063 | 1018.45 | Michigan |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(123 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 1148 | 1132.00 | Georgia |
| Booth Farms | 1028 | 1049.45 | Missouri |
| Tender Broiler Hatchery | 1033 | 1011.75 | Okla. |
| Homestead Farms | 1025 | 980.70 | Penna. |
| Kalerek Farm | 941 | 975.65 | Rhode Isld. |
| Albert C. Lawton | 929 | 961.05 | Rhode Isld. |
| T. S. Townsley | 953 | 963.90 | Georgia |
| Oscar W. Holtzapple | 945 | 926.30 | Penna. |
| Riley Poultry Farm | 957 | 898.40 | Okla. |
| Earl C. Dunham | 894 | 885.00 | Georgia |

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**With HIGH HEN, All Breeds, to Date**
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Our pen at Pennsylvania, just 21 points out of second place among all White Leghorns, has the highest scoring bird of all breeds to date. Superior breeding pays! Get Snell Leghorn Chicks if you want higher records! Write for folder and prices.

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## PARMENTER'S RED'S

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During the past 8 years we have
**WON 11 CONTESTS** over all breeds
**HIGHEST RED PEN** 24 contests
Last year 24 Contest hens scored over 300 points

What other breeder ever won TWO contests the SAME YEAR?

We have done it FOUR different TIMES.

Get our interesting new Catalogue.

***U.S.R.O.P. Chicks, Eggs, Males***
**E. B. PARMENTER,** 477 King St. Franklin, Mass.

## SCHWEGLER'S THOR-O-BRED CHICKS

**GET LEGHORN CHICKS SIRED By Males from 3-year Old Official**

SEXED CHICKS Day-old Pullets or Ck'ls

Record Hens—average 635 Eggs; 668.68 Points per Hen, Vineland Contest. Proved Long Life. HEAVY BREED CHICKS sired by Pedigreed Sons of World Record Hens. Real Progeny Tested Improvement Breeding from 200-324 Egg R.O.P. and Official Hens. Send for New Catalog: "Year Around Poultry Profits."

Leghorns, Rocks, R. I. Reds, Wyandottes, Minorcas, Orpingtons, Jersey Giants, Hampshires, Pekin Ducks.

FREE!

**SCHWEGLER'S HATCHERY**
203 Northampton, BUFFALO, N. Y.

**BIG HEALTHY CHICKS *Hatched* FROM BIG EGGS**

## EBENWOOD'S N. HAMPSHIRES

WON highest Hamp. score 1938 in EVERY CONTEST ENTERED Maine, Farmingdale, Passaic.
4 Contest pens out now: leading all Hamps. and all Bd. Rocks at Maine. 2nd Hamp. pen at Passaic.
If you want Hamps. better get mine. They've made money for me. Ought to, for you.

BARRED ROCKS and REDS bred like the Hamps. Large eggs.

State Tested 100% Pullorum Clean
GOOD STUFF—NO FANCY PRICES
Catalog free. Send for it.

**EBENWOOD FARM**
EBEN WOOD, PROP.
Box 999 West Bridgewater, Mass.

## Lawton's WHITE ROCKS

U.S. R.O.P.

BIG EGGS—25.4 oz. AVERAGE
Production 231.45 per bird. Indiv. records to 310 eggs. High Pen Wh. Rocks Maine 1938 with high pullet 283 eggs 360.5 pts.—8th in U.S. 5 yrs. Mass. ROP—7 years Mass. Cert. Pullorum free. If you want BIG EGG birds, write for our catalog.

**A. C. LAWTON,** 220 North Street, FOXBORO, MASS.

## SPANGENBERG'S WHITE ROCKS

**1938 CONTEST FINALS:**
2ND HIGHEST PEN AT STORRS — 3RD HIGHEST PEN ALL U. S. CONTESTS
2936 Eggs—3037 Points
JOHN SPANGENBERG, Dept. E, West Haven, Conn.


Please Mention Everybodys When Writing Advertisers




## R.O.P. CREIGHTON BROS.

**PEDIGREED LEGHORNS**

On our farm we breed 28,000 layers. We specialize in baby chicks for commercial egg producers, pedigreed chicks for hatcherymen & breeders, and hatching eggs in large or small quantities.

We have several hundred R. O. P. Males priced to sell.

Official contests prove the value of our breed. Send for catalog.

**CREIGHTON BROTHERS**
Box 12, Warsaw, Indiana

## Peckham FARM Reds

High grade, bred-to-lay stock at farm-profit prices. Practically non-broody, and

**GREAT LAYERS**

We've bred this strain for 14 years
**OVER 4000 BIRDS**
Pullorum Clean for years and years
You'll be pleasantly surprised at our most reasonable prices for Sexed and Straight-run
**CHICKS and EGGS**

**PECKHAM FARM,** Free Circular
3142 ACUSHNET AVE., NEW BEDFORD, MASS.

## CONTENT FARMS WHITE LEGHORNS

HIGH PEN to date, all breeds, Central N. Y.
FIVE of first 30 high birds.
100% LIVABILITY, contest pens 1938.

WRITE FOR CATALOG TO
**Content Farms, Box E, Cambridge, N. Y.**

## NEDLAR FARMS NEW HAMPSHIRES *Bred for PROFITS*

BE SURE of PROFITS with CONTEST-WINNING STOCK

Our Pen at Connecticut Contest for 1938 holds the record for the breed with 3434 eggs, 3685 points. High hen had a record of 314 eggs, 345 points, beating old record. Send for Free Catalog. 1939 Prices Now. **Nedlar Farms, E. N. Larrabee, Box 170, Peterborough, N.H.**

*High Record*
## WHITE ROCKS

Winners at both the 1937 and 1938 National Laying Contests and Poultry Shows — Official Records as high as 315 Eggs for 321 Points. Chicks Available—Write for Mating List Today.

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## HOME R.O.P. STEAD S. C. RHODE ISLAND REDS

202-291 EGG SIRED CHICKS. Same High Livability Breeding as our new WORLD RECORD PEN, Storrs, 1938. Av. 286 Eggs; 307 Pts. per Hen. Free Catalog: Poultry Profit Facts. Sexed Chicks.

**Homestead Farm,** Route 1-E NEWTOWN, CONN.

## • *BIRD BROS. win again* •

Clean sweep of prizes again at New York Show, Jan. 1935. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.

**BIRD BROS.** Box J MEYERSDALE, PA.


### *Cleveland Egg Conference Favors Relief Purchases*


[Continued from page 6]


well to look upon the mild winters as being normal weather. There are other factors that have increased winter production of eggs. Fall brooding of chicks has become more widespread in commercial poultry areas in the last three or four years. Housing methods have advanced more rapidly than is realized, and sudden cold spells do not have quite as damaging effect on production as was the case before.

During the 1910-16 period, New York City received 12.8 per cent of its annual egg receipts in the months of December, January and February. In the 1931-37 period, this figure had increased to 20.2 per cent. They drive home the fact that chickens nowadays lay during a period when they formerly loafed.

#### Influence of Storage Holdings

Cold storage holdings on January 1 of this year were about 64 per cent under the same date of a year ago. It would appear, without further examination, that egg prices should be materially stronger. But when January 1 comes around, storage holdings are rapidly approaching their low point in the year which usually comes around February. The total volume of eggs in storage then is not great, and this volume does not affect the price situation as much as the receipts of fresh eggs.

#### Are Prices Being Pushed Down?

The argument that traders in eggs are beating down the price is one that crops up very often in discussions of the egg price situation. While it may seem that there is deliberate price manipulation in certain sections at times, it cannot persist long. If it were true, the egg buyer could say that he would pay no more than 9 cents a dozen for eggs the year around. But he can't do this, because supply of eggs and the demand for them enter into the picture.

It is true that during a period of declining egg prices with heavy egg receipts, buyers are hesitant. They don't want to get caught with a lot of eggs and then take a heavy loss. A poultryman with a good business head wouldn't stock up with several months supply of feed when he expected a drop in feed prices the following week.

In one section, it was reported that individual chain store managers were not buying eggs for fear of having to take a loss on eggs because of falling egg prices. If the individual store manager guesses wrong on his purchases, he may get some demerits. This hesitancy of the egg buyers, large or small, cannot be looked


## BODINE'S Pedigreed LEGHORNS

**TRAPNESTED & PROGENY TESTED**

We have a U.S. R.O.P. Breeding Farm. Every chick and egg is Officially Produced. We hatch only eggs produced from the 7000 breeders on our own farm and do no custom hatching.

**LARGEST U. S. R. O. P. FLOCK in EAST**

We have the largest U.S. R.O.P. flock of Pure Hanson Leghorns in the East. Every chick and egg is 250 to 327 egg U.S. R.O.P. Sired.

**Early Order Discount** Offering a discount of 2¢ a chick on orders received before March 15.

*Last year in U.S.R.O.P. Trapnest we produced 44% of all the 300 egg Leghorn hens in New York State.*

Send for free catalog and ask for prices on Certified chicks or sexed pullets, also U.S. R.O.P. chicks or U.S. R.O.P. Baby Breeding Cockerels.

**ELI H. BODINE, Box E, Chemung, N.Y.**

## TAYLOR'S Leghorns TRAPNESTED-PEDIGREED

On our farm we have 5,500 breeding females all blood-tested under State supervision. All males from pedigreed dams with pullet year records from 225 to 302 eggs. Sires' dams 240 eggs or better.

**WE BUY NO EGGS**

Every chick comes from our own flock bred, fed and raised on our farm. Literature gives details. Write for Illustrated free catalog. Taylor's Leghorns are superior. Order early to get dates wanted in 1939.

**TAYLOR BROS. Box 582-B Newtown, Penna.**

## A.P.A. REGISTERED AND DOUBLE PULLORUM TESTED CHICKS

Judge C. W. Burgess President

Assures our customers of better breeding, better livability, quicker developing chix. Flocks under personal supervision of APA Judge. Eggs individually graded and weighed,—we set only 2 ounce eggs and up, which guarantees BIGGER, HUSKIER and BETTER chix. Write for catalog, and remember

**"Burgess Chix are Better Chix"**

BURGESS HATCHERIES, INC., Bowling Green, Ky

## *BLUMER'S WHITE ROCKS* CHICKS

LARGEST FLOCK IN PENNSYLVANIA

We have the largest flock of White Rocks in Pennsylvania. Culled and bloodtested. Heavy winter layers. Non-broody. Hearty mountain-bred. Disease resistant. Write for free circular and prices.

**Blumer's Poultry Farm Moscow, Pa.**

Get FREE Neuhauser's Calendar Catalog

NEUHAUSER'S
**"Good Luck" CHICKS**

Yes! Everyone is interested in Bigger Profits. You can make money like many Neuhauser Customers when you start with Good Luck Chicks. Choice of 24 Breeds from Bloodtested breeders, including SEXED PULLETS, COCKERELS, CROSS BREEDS, DUCKLINGS. 100% Live Delivery and 14-day Livability Guarantee. Get FREE Color Calendar Catalog and low prices. We pay postage.

SEXED PULLETS $11.90 up | SEXED COCKERELS $3.00 up

Write Box E
NEUHAUSER CHICK HATCHERIES
Napoleon, Ohio Martinsburg, W. Va.

Eggs show up large, inviting when packed in SELF-LOCKING Cushion Cartons. Cushioned protection eliminates breakage. Ventilation safeguards flavor. Colorfully printed with your brand name. Send for free samples.

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Swift & Co. - Armour & Co.
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SELF-LOCKING CARTON CO.
577 E. ILLINOIS ST. CHICAGO, ILL.

Leister's LIVE-PAY CHICKS

Hatches in Elec. Incubators. Hatches Mondays & Thursdays. Write for latest catalog or order direct from this ad. Cash or C. O. D. Yearly Service.

| (Leghorn Ckls. $3.00) LARGE | 100 | 500 | 1000 |
|---|---|---|---|
| TYPE ENGLISH S.C.W. LEGHORNS | $7.00 | $35.00 | $70 |
| Large Type Eng. S. C. White Leghorn Sexed Pullets (Guar. 95% Accurate) | 13.00 | 65.00 | 130 |
| Bar. & Wh. Rocks, R. I. Reds | 7.50 | 37.50 | 75 |
| New Hampshire Reds | 8.00 | 40.00 | 80 |
| Heavy Mixed | 6.50 | 32.50 | 65 |

All breeders Bloodtested for B.W.D. by stained antigen method. 100% live delivery guar. WE PAY ALL POSTAGE. HEAVY BREEDS SEXED ON REQUEST. Write For Prices.
C. P. Leister Hatchery, Box E, McAllisterville, Pa.

ULSH FARMS CHICKS — PAY

All Breeders carefully culled & Blood Tested. Order direct from ad or write for our new catalog. Satisfaction and safe arrival guaranteed.

| Will Ship C. O. D. | 50 | 100 | 500 | 1000 |
|---|---|---|---|---|
| S. C. White or Brown Leghorns | $4.00 | $7.50 | $36.75 | $70 |
| S. C. White Leghorn Pullets | 7.00 | 13.50 | 66.25 | 130 |
| Black or Buff Leghorns, Anconas | 4.25 | 8.00 | 38.75 | 75 |
| Barred, White or Buff Rocks | 4.25 | 8.00 | 38.75 | 75 |
| Wyand., R.I. Reds or N.H. Reds | 4.25 | 8.00 | 38.75 | 75 |
| Ask for our complete list of Pullet & Cockerel Prices. | | | | |
| Heavy Assorted Chicks | 3.75 | 7.00 | 33.75 | 65 |

ULSH POULTRY FARM, Box E, Port Trevorton, Pa.

NEW HAMPSHIRES By Gadd ~ They're Good — BED the BEST for BUSINESS

And we mean GOOD! 100% BWD free for last 15 years. New Hampshire State Accredited. Best for layers—broilers. Free catalog explains our five point "profit" breeding program — why customers repeat. All stock guaranteed. Write today.

THE TERRACES
THOMAS B. GADD, Box 6 PLYMOUTH, N.H.


upon as a deliberate effort to beat down prices.

Cold storage operators naturally hope to be able to store their eggs at low prices. They took a heavy loss on the 1937 storage deal, and they lost again on the 1938 storage deal, despite the fact that statistics looked extremely favorable. They are being more cautious this year.

### Effect Upon Flock Owners

The contention that low egg prices early in the year will force many poultry raisers out of business is probably true to the extent that those farm flock owners who go into chicken raising rather strong when prices are good may hesitate to buy chicks. The business poultryman, while he doesn't like to take a loss on his eggs at any time, knows that his profits are made from July through December. He would prefer to see prices low for a short time early in the year for the sake of maintaining decent price levels in the last half of the year.

### Relief Buying Means New Outlets

Purchases of eggs for relief distribution, it is true, will not compete with eggs being sold through the regular market channels. These eggs will simply go to people who haven't been getting eggs, because they are unable to buy them. If these folks who have the misfortune to be on relief get into the habit of using eggs, they are likely to become regular consumers of eggs after they get back on their feet again.

The fact that the government has purchased citrus fruits, butter and a lot of other farm products for relief distribution is not sufficient reason in itself for the purchase of eggs. Government purchases are made only when it can be demonstrated that there is a surplus of the product. The effect is to create artificial prices which tend to aggravate the surpluses by preventing the cut in production that would ordinarily take place. In that sense, therefore, government buying of eggs, where it affects the market price, is more harmful than beneficial.

Whether or not there will be any government buying of eggs this spring is uncertain. Government representatives indicated that they would keep in close touch with the market in February. They had not purchased any eggs up to February 16. It may be that the government will find no reason to step into the egg market this spring.

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Now's a good time to make a resolution! Resolve to use the best feed you can get for your birds (there are plenty of good ones) and to stick to that feed, following to the letter the directions of the manufacturer. Jumping from one feed to another sets the chicks back almost every time.


Acidox THE NEW TREATMENT FOR COCCIDIOSIS!

● Flock owners had excellent results last season with Acidox. It's a different kind of acid preparation—the acid is controlled. For that reason Acidox does not throw birds off feed. Put in the drink. Inexpensive. 12-oz. (enough for 300 chicks) $1.00; 32-oz., $2.00.

GERMOZONE
For Crop and Common Bowel Troubles
Like Coccidiosis, these troubles are very costly. For them use Germozone. Germozone works in the crop and intestine, as well as in the drink. That's why Germozone is so valuable as a medicine and preventive for many bowel troubles. 12-oz., 75c.

FREE—Illustrated—"1939 Lee Way Poultry Book"—64 pg. Tells about prevention and treatment of chick diseases. Ask dealer or write for your copy.

Get Germozone, Acidox and other Lee Poultry Medicines at Lee Dealers; or postpaid.
GEO. H. LEE CO.
12 Lee Bldg. Omaha, Nebr.

BAUMGARDNER HUSKY HI-GRADE CHICKS

All Breeders Bloodtested for B.W.D.

| | |
|---|---|
| Large Type S. C. Wh. Leghorns | $7.00 |
| Wh. Leghorn Pullets (95% guar.) | 13.00 |
| Bar., Wh. Rocks, R. I. Reds | 7.25 |
| N. H. Reds, W. Wyan., Buff Orps. | 7.75 |

Heavy Mix ... $6.50; Wh. Leghorn Cockerels ... 3.00
PREPAID Safe delivery. Cash or C. O. D. Cir. FREE.
J. A. DAUMGARDNER, Box E, Beaver Springs, Pa.

SAVE! Buy "Better Luck" AMSTUTZ CHICKS
Pullets $11.00 up--Cockerels $2.50 up
GUARANTEED UNSEXED
95% Sex Accuracy
100% live delivery
30 days livability
$5.95 UP
Write today for Free Messenger
AMSTUTZ HATCHERIES
Celina Dept. 250 Ohio
BLOOD TESTED

MITES KILLED SURE ...this easy way!
AVENARIUS CARBOLINEUM
Apply once a year in poultry house to kill and keep out Mites, Blue Bugs, etc.
Preserves wood. Stops termites. Free booklet.
CARBOLINEUM Co. Dept. 14, MILWAUKEE, Wis.

HAMPTON'S BLACK LEGHORNS
CHICKS Known for 30 years as the kind that LIVE, LAY, PAY.
● No cannibalism in Chicks or pullets. Free of Diarrhoea. No Bloodtesting, Vaccination, or Anti-Toxes needed. Try them this year and be convinced. CIRCULAR FREE. Write today!
A. E. HAMPTON BOX E, PITTSTOWN, N. J.

EMMENS LARGE LEGHORNS
WE IMPORT DIRECT FROM TOM BARRON IN ENGLAND
Chicks from profit proven hens with 17 years specialized breeding for size, egg production and livability. 100% B.W.D. bloodtested last 7 years. 14 day free replacement guarantee. Sexed or straight. 95% sexed guaranteed. Also new hybrid White and Barred Rocks and Rhode Island Reds. Discount and free offer on all orders. 1939 catalog free.
Lemmen Leghorn Farm, Box 304E, Holland, Mich.

Breeders Culled and Blood Tested

| | 100 |
|---|---|
| AA Grade White Leghorns | $7.50 |
| Brown and Buff Leghorns | 7.50 |
| White, Buff and Barred Rocks, Wh. Wyandottes | 8.50 |
| New Hampshire Reds and White Giants | 10.00 |

FAIRVIEW HATCHERY MILTON, PA.

TOM BARRON CHICKS
We are direct importers of Barron Leghorns. Large Hens mated with R. O. P. Males. Low Prices on Day Old Chicks, Pullets, Cockerels.
NORTH SIDE POULTRY FARM, Box E, Richfield, Pa.




# News Notes

## CALENDAR OF EVENTS

Feb. 28-Mar. 3, Fifth Mohawk Valley Baby Chick and Egg Show, State Armory, Gloversville, N. Y.
Mar. 1-4, Second Annual Long Island Chick and Egg Show, Country Life Program, State Institute of Applied Agriculture, Farmingdale, L. I. N. Y.
Mar. 23-25, Seventh Annual Georgia Baby Chick and Egg Show, Columbus, Ga. William B. Forney, Sec.
May 4-6, Purdue Annual Baby Chick and Egg Show, Purdue University, Lafayette, Ind. Max Myers, Asst. Mgr., Purdue Poultry Bldg., W. Lafayette, Ind.
July 25-Aug. 7, Seventh World's Poultry Congress and Exposition, (July 25-27, Washington, D. C.; July 28-Aug. 7, Cleveland, Ohio.)
Aug. 31-Sept. 1, Third Annual Business Management Conference for Egg and Poultry Marketing Cooperatives of the Northeast, Pennsylvania State College, State College, Pa.
Jan. 3-7, 1940, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N.Y.
Jan. 10-14, 1940, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

## CONDITIONS

The egg-feed ratio, compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| January 19 | 9.9 | 7.7 | 7.3 |
| January 26 | 10.0 | 8.7 | 8.2 |
| February 2 | 10.0 | 8.6 | 8.4 |
| February 9 | 10.6 | 9.0 | 8.0 |
| February 16 | 10.4 | 8.9 | 7.8 |

## EGG IMPORTS

**Egg Imports Drop**—Imports of eggs and egg products took the following decreases during 1938, compared with 1937: shell eggs, 55.4 per cent; dried whole eggs, 65.8 per cent; frozen whole eggs, 96.3 per cent; dried yolks, 93.7 per cent; frozen yolks, 60.3 per cent; dried egg albumen, 74.7 per cent.

## ORGANIZATION

**The American Poultry Association** is planning to publish a quarterly publication to keep its membership informed of the various activities of the organization.

**American Poultry Association's** board of directors announce acceptance of Mrs. E. B. Campbell's resignation as secretary, effective January 1, 1939. Until selection of a new secretary, all correspondence should be addressed to American Poultry Association, 3030 Brady Street, Davenport, Iowa.

**Marketing Cooperatives Plan Meeting**—The Northeastern Federation of Egg and Poultry Cooperatives will hold its annual meeting August 31 through September 1 at Pennsylvania State College, State College, Pa., when it will sponsor the third annual business management conference for egg and poultry marketing cooperatives of the Northeast. Dr. Alfred Van Wagenen, Cornell University, will be general chairman of the conference.

**Organize New Egg Marketing Cooperative**—Fayette County, Pa., egg producers are organizing a new cooperative sales agency, with headquarters in Uniontown, Pa., for the marketing of graded eggs, beginning this spring.

**Vineland Auction Opposes Chain Store Tax**—Directors of Vineland, N. J., Egg Auction took action at their January meeting, requesting New Jersey's representatives at Washington to oppose the federal tax on chain stores. They also voted to support a bill to be introduced in New Jersey legislature prohibiting the sale of eggs unfit for consumption.

**New Jersey Starts Egg Drive**—New Jersey Poultry and Egg Cooperative Marketing Association, in cooperation with the New Jersey Council, started its 1939 consumption campaign of certified fresh New Jersey eggs, near the middle of February. Ads will be run in 13 New Jersey daily and weekly newspapers once a week through June. Approximately 300,000 dozens of fresh eggs were sold through this campaign last year.

## LEGISLATION

**New Indiana Egg Law Proposed**—A bill to create a state egg board to regulate wholesale and retail sales of eggs has been introduced in the Indiana House of Representatives. The bill provides penalties for sale of eggs, advertised as fresh, that do not meet the standards set by the board.

## THE TRADE

**Purina Mills** is now incorporating in its poultry mashes a new concentrated source of vitamin G (flavin) known as Puri-Flave, produced under a patented process. It is said to be two to three times richer in vitamin G than similar amounts of dried buttermilk and alfalfa, although it is not intended to replace these two ingredients.

Vitamin G has been found to be essential for the growth of the chick embryo inside the shell during incubation, and its absence can result in poor hatchability and weak chicks. This vitamin is also essential for maximum growth in chicks, and experimental work has shown it to be beneficial in increasing egg production, especially during the winter months.

**Wins Hawkins Contest** — Mrs. Minnie Shaw, Spokane, Washington, won the first price of $350.00 in the 1938 contest on "What Is A Hawkinized Chick" conducted by Hawkins Million Dollar Hen, Inc., Mount Vernon, Illinois. The other 106 cash prizes were awarded to entries from 32 different states.

Because of the success of the 1938 contest, a similar type of contest is being staged this year. Full particulars can be obtained by writing direct to this firm.

**Walter A. Leypoldt**, sales manager of Carbolineum Wood Preserving Company, Milwaukee, was elected secretary of the firm recently. He will continue as sales manager and also as a director of the company. He is a son of Fred Leypoldt, Sr., who with Albert Leypoldt and Percy B. Luebben, formed the present Carbolineum Company in 1887, 52 years ago. The three founders have been associated together ever since. Fred Leypoldt, Jr., is vice-president.

**Elmer H. Wene**, Wene Chick Farms, of New Jersey, has issued an attractive, well-illustrated 40-page catalog for the

Governor A. Harry Moore, center, congratulates James C. Weisel, Frenchtown, N. J., on his election to the New Jersey State Board of Agriculture. Also elected for a 4-year term was William P. Howe, Jr., at the left.


Sunnybrook Chicks

PROFIT-BRED from PROVEN STRAINS
19 YEARS Forging Ahead
Our files are full of stories of successes voluntarily sent in by Sunnybrook customers. These letters tell of quick profits from broilers, high flock averages and low mortality records.
Pullorum Tested Since 1921
New Hampshires | Wh. Leghorns
Barred Rocks | R. I. Reds
White Rocks | Cross-Breeds
SEXED PULLETS OF ALL BREEDS
GUARANTEED 95% TRUE TO SEX
Our livability Guarantee is only the beginning. This hardy Northern-grown stock will give you low mortality throughout. Early maturity and high average flock production are other qualities that have been bred into Sunnybrook strains.
95% LIVABILITY GUARANTEED UP TO THREE WEEKS
Write today for Catalog and Prices
SUNNYBROOK POULTRY FARM
A. Howard Fingar, Owner & Mgr.
BOX E HUDSON, NEW YORK

LOW PRICE BROODER
Raise 95% of your chicks with a Liv-an-Gro Wire Bottom starting brooder. Electric Model only $1.95 postpaid, others as low as $1.65. FREE Folder tells how to raise more chicks the Liv-an-Gro way. Dept. 85
ONLY $1.95 ELECTRIC
ANDERSON BOX CO., INDIANAPOLIS, IND.

HILLSIDE CHICKS WILL SHIP C. O. D.

| Large Type Sexed Eng. | 100 | 500 | 1000 |
|---|---|---|---|
| Leg. Pullets—95% G. | $12.00 | $60.00 | $120 |
| B.&W. Rock, R.I. RedPts. | 8.50 | 42.50 | 85 |
| N. H. Red Pullets | 9.50 | 47.50 | 95 |
| Large Type Wh. Leg. | 6.50 | 32.50 | 65 |
| B.&Wh. Rox, R.I. Reds | 7.00 | 35.00 | 70 |
| N. H. Reds | 8.00 | 40.00 | 80 |

H. Mix $6; L. Mix $5.50; Day Old Leg. Cockerels $2.50-100. Less than 100 add 1¢ a chick. Blood-Tested Breeders.
T. J. EHRENZELLER, Box E, McAlisterville, Pa.

CHICK FEEDER BARGAIN
UNIVERSAL CARDBOARD FEEDERS save money—save feed—save chicks. Economical. Sanitary. Millions sold. Dealers everywhere. If your dealer does not have them, mail us $1 for 18, postpaid.
GENERAL DISTRIBUTING CO., INC. Newton Kansas
18 FOR $1 MAIL

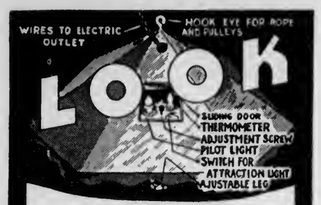
STONEY RUN English Leghorns — Cash or C. O. D.

| 100% Live Del. P. P. | 100 | 500 | 1000 |
|---|---|---|---|
| ENGLISH LEGHORN PULLETS, 95% GUAR. | $13.00 | $65.00 | $130 |
| Unsexed English Leghorns | 7.00 | 35.00 | 70 |
| Bar., Wh. Rocks & R. I. Reds | 7.50 | 37.50 | 75 |
| N. H. Reds | 8.00 | 40.00 | 80 |

H. Mix $6.50-100; Leg. Ckls. $3-100. From FREE RANGE Breeders Bloodtested. For full details of my Breeds & Hatchery get my FREE Catalog today.
STONEY RUN POULTRY FARM HATCHERY
H. M. Leister, Box E McAlisterville, Pa.

SEX & SEX-LINK CHICKS
HYBRIDS or PUREBREEDS
SUNSHINE'S SPECIAL MALE MATING CHICKS, sexed or not sexed—the BARGAIN value for WHITE EGGS or BROWN EGGS. Pedigree sires with breeding 200 to 292 eggs. B.W.D. A. P. A. INSPECTED FLOCKS. Popular & rare purebreeds or hybrids. Males low as $5 chicks not sexed low as $6.90 per 100. FREE feeder with every 50 chicks.
LOW PRICES, CATALOG FREE. SUNSHINE HATCHERIES, Box 1414-C Corydon, Ind.

TOXITE KILLS
Kills Coccidiosis, Mites, Disease Germs, etc. Before you get your chicks, spray brooder house with Toxite. Sold by dealers everywhere. Write for free book.
TRUSLOW POULTRY FARM, Box 14, Chestertown, Md.




COMPARE THESE VALUES -

¾ inch thick moisture, warp and pick proof insulation. This means utmost economy of operation. "Black Heat" protected wires. Injury to chicks impossible. No fire hazard. 5 year unconditional guarantee. Detailed brooding instructions with every Keen Brooder. If there isn't a Keen Dealer near you, write direct for Folder #103.

$26.40 DELIVERED

Address Dept. 2

**Keen Poultry Equipment Co.**
Vineland, N. J.



**LEADER**
**WHITE LEGHORNS**

28 YEARS OF BREEDING

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This was the second highest ranking White Rock pen in the United States last year. These birds were bred by Overbrook Farm, Indiana.

1939 season. Special emphasis is given to the opportunities for profits in market poultry. The characteristics of the various Wene crosses are pictured and described.

**The Lyon Rural Electric Co.,** Dept. EB, San Diego, Calif., is offering plans for various pieces of homemade electrical poultry equipment.

**Connecticut R. O. P.** flocks in 1937 averaved 183 eggs per bird, an increase of 27 eggs per bird in five years, according to a summary in the annual catalog of the Connecticut R. O. P. Breeders, Inc., Storrs, Conn. The catalog can be obtained on request.

**Milton H. Arndt,** the battery specialist, has issued a new folder containing some interesting facts on broiler and egg costs under the battery plan of management. Write him at Dept. 11, Trenton, N. J., for a copy.

**Mount Fair Farm,** RFD Box 101B, Watertown, Conn., is emphasizing hen-housed averages in its breeding of Rhode Island Reds. To obtain the hen-housed average of production, the number of eggs laid in a year are divided by the number of birds originally housed.

The 1939 catalog of Mount Fair Farm presents figures on hen-housed averages for production, egg size and body size.

**H. S. and M. E. Twichell,** New Hampshire U. S. Record of Performance breeders of New Hampshires, shipped on January 14, five R.O.P. hens and one R.O.P. cockerel to Palestine for delivery, after a 20-day voyage, to the Crown Agents of London, England. These birds will form the foundation for the spread of the famous New Hampshires there.

**The One-Spot Company,** Elkridge, Md., located on the Baltimore-Washington Boulevard, is establishing a permanent exhibit of 184 standard breeds and varieties of poultry. Major O. Overholser, who had charge of the Ohio exhibit at the San Francisco World's Fair in 1915, is in charge of the exhibit.

**Special Railroad Rates to Fairs** — The Association of American Railroads has announced that beginning April 28, all railroads in the country will offer special "grand-circle" fares, affording an opportunity to travel to the New York World's Fair and the Golden Date International Exposition at San Francisco and back to your starting point, a total of 6,300 to 8,000 miles without retracing routes, for a transportation cost as low as $90.

**The Dryden Poultry Breeding Farm,** Box 768-C, Modesto, Calif., has 71 illustrations in its new 1939 catalog. It reviews the progress of the Dryden strains of White Leghorns and Barred Rocks since 1907. A considerable section is devoted to a description of management practices on the Dryden farm.

## POULTRY STRIKE

**LaGuardia Seeks to Settle Strike**—New York City's Mayor F. H. LaGuardia has appointed a commission composed of three Jewish editors to investigate the Kosher live poultry industry and to try to end the Schochtim strike. The commission has power to command witnesses to appear in court for a "thorough investigation of the entire industry."

## PEOPLE

**N. F. Waters,** associate professor of poultry husbandry, Iowa State College, has taken over his job as senior geneticist at the Federal Regional Poultry Research Laboratory, East Lansing, Mich.

Here is a rather unusual range scene on Pine Top Farm in the White Mountains of New Hampshire. The New Hampshires on this breeding farm get ample shade as well as sunshine during the period that they are on range.



**Jersey Poultrymen Honored** — Former Congressman Elmer H. Wene, Vineland, N. J., and W. A. Cray, Stockton, N. J., were honored January 26 at the annual banquet of the E. B. Voorhees Agricultural Society, an organization of students and graduates of short courses at the New Jersey College of Agriculture.

Wene has been president of the New Jersey State Poultry Association, the International Baby Chick Association, the New Jersey State Board of Agriculture, and operates one of the largest chick hatcheries in the country.

Cray was cited for his work as president of the Hunterdon County Poultry Association, vice-president of the State Poultry Association, and other offices.

**First Express Shipper of Chicks Honored** —Joseph D. Wilson, Trenton, N. J., credited with having made the first shipment of day-old chicks by express from his hatchery in Stockton, N. J., to West Orange, N. J., in 1892, was given a citation for meritorious service to the baby chick industry of New Jersey on January 24 at the New Jersey Farm Show, Trenton.

**Stewart to Iowa**—Dr. George F. Stewart, formerly in charge of research for Omaha Cold Storage Co., Omaha, Neb., has accepted the position of associate professor, in charge of poultry products research at Iowa State College, Ames, Ia.

## MISCELLANEOUS

**May Use Mark on Michigan Turkeys**—Michigan Turkey Growers Association has appointed a committee to work out details of a program for marketing the 1939 Michigan turkey crop, using some kind of an identification mark.

**New Maryland Disease Laboratory**—A new Maryland State Poultry and Livestock Disease laboratory, located at Centreville, Md., was scheduled to open during February, according to Dr. Mark Welsh, University of Maryland, to serve farmers in five eastern shore counties of Maryland.

**Purdue Students Plan Egg and Chick Show**—The 1939 Purdue Egg Show, which has been an annual event for 31 years, and the Purdue Chick Show, held for the last seven years, sponsored by Purdue poultry students, will be held at Purdue University, Lafayette, Ind., May 4 to 6. There will be 18 classes for eggs, nine classes for chicks. Prizes include $150 in cash, 30 cups and trophies. Competition is free, open to everyone.

To show the strength and rigidity of the Acme laying cage made by the Acme Manufacturing Company, these three men, with a combined weight of 483 pounds, climbed on the framework of one of the cage units and found no evidence whatever of sagging.


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A new, practical book for all poultrymen and hatchery operators, written in easily understandable language. This is a complete and thorough reference book of poultry diseases, preventive methods and control practices, and contains an extensive glossary of words and terms dealing with poultry diseases. Contains 82 illustrations, 2 full colored drawings, 420 pages, cloth . . . $3.50

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**Diseases and Parasites of Poultry**

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# Our Garden

### Keep Weeds Out

Weeds are hardy and return year after year with a bigger family to invade your garden and crowd out the vegetables and flowers. Moral: Never let weeds get a start!

### Soils for Bush Fruits

Raspberries, blackberries and dewberries like a fine, deep sandy loam containing lots of humus. Clay loams are good for currants and gooseberries. All of these fruits grow well in some shade and can be planted on the north side of a building or fence that's too shady for other plants and fruits. Good soil drainage is very necessary.

### On Moving Trees

When transplanting trees, remember to dig a hole big enough that the roots may spread out and not be cramped one on top of another; to pound down rich top soil solidly around the roots and base of the tree; to soak the roots thoroughly; to provide plenty of good moisture-holding mulch around the tree; to fasten guy ropes from three directions to prevent much swaying and loosening of roots in heavy winds. Run the ropes or wires through small sections of old garden hose to prevent injury to the bark.

### Radishes Help to Mark Rows

Drop radish seeds in rows in which you plant some of the slower germinating seeds such as carrots, parsnips, and onions so as to mark the rows so that you can hoe up close to them without disturbing the slower growing vegetables. The radishes will ripen quickly and can be thinned out early.

### Break Up Clods

Don't be careless in preparing the soil for seeds and plants. Unless the clods are broken up when spaded, it is practically impossible to pulverize the soil satisfactorily later on.

### Fertilizing Helps Control Weeds

Early application of a completely mixed fertilizer is one of the best ways to control weeds. Where the lawn has plenty of plant food, weeds are crowded out. As soon as you can work the soil satisfactorily, rake over the bare spots in the lawn, add new top soil and reseed. Be sure to sow grass seed—not weed seed!

**Here is the Northstar, a new variety of strawberry released by the U. S. Department of Agriculture. Its blossoms snuggle under thick leaves where they usually escape frost damage. The berries are exceptionally large and of the finest table quality. It is recommended as a second early variety. (Photo from W. F. Allen Co.)**


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### Child's Bedspread — Pattern 1949

You'll love doing this simple needlework for the kiddies' bedspread. Edge it with the bunny filet crochet or just bind it. Pattern 1949 contains a transfer pattern of 1 motif 17½ x 22¼ inches and 1 motif 3¾ x 11¼ inches; chart and directions for edging; illustrations of stitches; materials required; color chart.

Send 16 cents in coin for this pattern to Pattern Dept., Everybodys Poultry Mag., Hanover, Pa.



*Conducted by Aunt Sally*

# Everybody's Home Page

### Singing Hens

Singing hens—a sure sign of Spring! Going the rounds for eggs, doesn't seem to break into their song nor disturb their preening in the sunlight, while up in the house there is new planning for egg dishes on the dinner table. Winter has gone and plum pudding recipes along with fruit cake hints have been put into their place and we scurry over loose leaf cook books and card file recipes, under the heading of eggs.

### Poached Eggs

Heat control is an important factor in getting the best vitamins from eggs. High temperatures destroy protein qualities so that eggs should be done in moderate ovens or over rather low flames. One delicious egg dish is to have them poached, and a little care will make them perfect for the toast slice at breakfast. Have the water salted and at a rolling boil when the egg is broken into it. Remove from the flame immediately and let it stand for about five minutes without returning to the fire for a re-boiling. The result will be a nice tender egg white, not tough and fibrous.

### Souffle Combinations

Take a chance at the souffle dishes in combination with vegetables, meats and cheese. The vegetables and meats must be cooked and finely chopped or shredded, for lightness is the desired texture of a souffle.

The other evening at a casserole dinner, a corn souffle that was "tops" in texture and flavor was the subject of much comment. As a base, use ordinary white sauce or minute tapioca, the proportion being ½ cup of food to each ¾ cup of sauce. To this, add the well beaten yolks of three eggs and, lastly, the stiffly beaten whites. Bake in a moderate oven with the casserole in a pan of water. Have the oven sufficiently hot so that the water in the outside pan stands at a simmering point, not rolling boil. You know the finished test is the same as for custards—a clean knife when inserted.

### Souffle Hints

Success of souffles depend upon the stiffly beaten eggs but not until dry. It is easy to over-beat when electric beaters are used. Always serve a souffle in the same dish in which it is cooked, as soon as finished. They lose the fluffy quality if allowed to stand.

### Easter Girl Chicken Salad

To make the girl figure salad sounds like a lot more work than it is, and if generous proportions are used, it will make a plate meal with hot rolls and coffee. So there is a hint for Sunday evening tea on Easter.

Face, one-half of a hard-cooked egg, using cloves and red pimento to make the features; hair, the mayonnaise. A cake decorator will make the ringlets all around the round egg head and down over the waist; waist, a tomato slice with buttons of sliced stuffed olives; the frilled lettuce leaf is filled with chicken salad; feet, tiny green pickles, and her arms are stuffed celery lengths. Now isn't that some girl?

### Favorite Recipe for Serving Eggs

Send in your favorite recipe for serving eggs before March 15, so that the April issue can carry the prize winning recipes. All recipes submitted become the property of Everybodys. One dollar will be paid for each contribution published. Address Aunt Sally, Everybodys Poultry Magazine, Hanover, Pa.

### Fruit Rolls

Here is a new use for that round salad mold, that will bring splendid comment from your family. Make your best biscuit mix plus two eggs slightly beaten in the bottom of your measuring cup before pouring in the water or milk for the liquid of the biscuit mixture. Roll out ¼ inch in thickness, brush with melted butter and spread with drained canned or fresh fruit, preferably canned cherries. Roll up like jelly roll and cut in two inch lengths. Combine one cup of sugar with one tablespoon of cornstarch and heat to the boiling point with 1½ cups of fruit juice. When thickened pour into the ring mold and lay in the cut fruit roll. Bake for 30 minutes in a quick oven. Serve with more syrup, whipped cream or liquid cream. We like them while still slightly warm, served with the syrup sauce. An excellent springtime dessert.

### Winning Recipes for February

#### Ham Loaf with Sweet Potatoes

Make a roll of well seasoned mashed sweet potatoes and set aside to chill. Combine ½ lb. ground cured ham and ¼ lb. hamburger and ½ lb. pork sausage and ¾ cup of soft bread crumbs. Add 2 well beaten eggs and 2 tablespoons of milk, forming the mixture into a flat rectangular piece about 8 inches in length and ½ inch in thickness. Place the chilled sweet potato roll on this and fold the meat around it, pinching the edges tightly together. Place in baking pan, score the top of loaf slightly and cross with a few bacon slices. Bake in moderate oven one hour. This serves six.—Mrs. A. G. Briggs, Locust Dale, Va.

#### Vegetable Peanut Butter Loaf

Chop or grind 2 cups cooked lima beans, 2 cups cooked carrots and 1 cup dry bread crumbs. Mix with 6 tablespoons peanut butter and 2 tablespoons fat, 1 teaspoon grated onion, 1 tablespoon chopped parsley, salt and pepper to taste and one well beaten egg, and ¾ cup milk. Form into a loaf or pack into baking pan and bake for an hour in a moderate oven. Serve with either a white sauce or tomato sauce.—Miss Marie Dewalt, Pine Grove, Pa. R. D. 2, Box 203.

#### Meat Loaf

Have 2 lbs. beef neck, shank or chuck ground with 1 lb. pork shoulder, for economical cuts. Combine with 1 cup of fine bread crumbs, 2 teaspoons of salt, ¼ teaspoon of pepper, 2 tablespoons grated onion, 2 well beaten eggs and 1 cup of milk or the meat stock. Form into a loaf and bake for 1½ hours in a moderate oven, using the pan drippings for basting during the baking process.

**Ways to Vary Meat Loaf**—Season well with ketchup or chili sauce before placing in the oven—Lay bacon strips over the top for additional seasoning—arrange a hard cooked egg center in the meat loaf, placing them lengthwise, whole, so that in slicing each piece has an egg center—Strips of a mild cheese over the top when ready for the oven will be welcomed by persons who like toasted cheese.—Mrs. Willis G. Moyer, Selliersville, Pa.

## March Pattern

### For Morning—And Afternoon!

A brand new style to make your days sunny regardless of weather— such a winsome "Waterlily Dress" when a simple-to-do flower contrast is appliqued under the flattering and unusual neckline! We know that every fourteen to forty-four is going to love wearing Pattern 4036—for all figure types look well in frocks with full-length panels. See—this panel has darts at the waist to give a more concave effect over the diaphragm. And it may either match or contrast—as we show you! Have the gay-as-spring sleeves either closed or open, and have ric-rac or buttons and bows in accent shades to "pick up" the tone of the dainty waterlily applique.

Pattern 4036 is available in misses' and women's sizes 14, 16, 18, 20, 32, 34, 36, 38, 40, 42 and 44. Size 16 takes 3⅝ yards 35 inch fabric, ⅞ yard contrast and 1½ yards ric-rac. Price 15¢ (in coins).

Pattern Department
EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

### New Spring Pattern Book Fills All Fashion Needs

Spring will soon be here! Are you ready for it? Why not order our Spring Pattern Book by the next mail—and look up fascinating ideas for a smart new wardrobe that you can make at home? Your copy will show you the most attractive styles for everyone from Kiddies, Juniors and College Girls, to Brides and Matrons. You'll see boleros that are the "last word" in chic, for all ages! You'll notice the swing to colorful prints! Also the gay outfits for land or sea—the budget tips—the style-suggestions for "dressing down the pounds!" You'll be pleased, too, with the lingerie, at-home frocks, things to make for men . . . and reports of accessories. Better send your order Now! Price of Book is 15¢.

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☐ † **D4—Everybodys Poultry Disease Diagnosis Guide.** 6 cents in stamps.

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### Housing

☐ † **H21—Moisture-Proof Floors for Poultry Houses.** 3-cent stamp.

☐ † **H22—Housing Fundamentals.** 3-cent stamp.

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### Brooding

☐ **BG70 — How to Separate Pullets and Cockerels Early.** 6 cents in stamps.

☐ **BG72—Battery Brooding Facts.** 6 cents in stamps.

☐ **BG71—Succeeding With Broilers.** 6 cents in stamps.

### General

☐ † **G40—Plans for a 1500-Hen, One Man Poultry Farm.** 3-cent stamp.

### Management

☐ **M84—Artificial Lights in the Laying House.** 3-cent stamp.

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## HOW TO ORDER BRIEFLETS

Check the brieflets you wish, clip this department, write your name and address on the margin, and mail with your remittance to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa. If you do not wish to cut this copy of the magazine, simply list the brieflets desired in a letter and mail with your remittance.

# Science Marches On!

By Carl H. Schroeder

**Epidemic Tremors,** or, if you are a collector of words, Avian Encephalomyelitis, must be considered an infectious disease according to a report in the Jl. of the Am. Vet. Med. Ass'n. (Dec. 1938) by Drs. Van Roeckel, Bullis and Clark of the Massachusetts Experiment Station.

One of the peculiar and striking symptoms is the tremor or vibration of the head or neck. But this condition is frequently absent. So-called ataxia, that is, unsteady gait due to inability to control the muscular movements, is a characteristic symptom. Some chicks are inclined to sit on their "haunches." When disturbed they show little control over their movements or fall on their sides. A dull expression of the eyes is usually noticeable. Losses may be as high as 50 per cent.

The disease is of economic importance in some localities. It is caused by a filtrable, infectious agent which is present in the brain but also in other organs. Healthy chicks may contract the disease by contact with infected birds. There are indications that the infectious agent may be carried in the hatching egg and that the breeding stock may serve as the store-house of the infection.

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**Vitamin E is no preventive of fowl paralysis** according to L. C. Norris of Cornell University. His conclusions, presented before the Cornell Nutrition School, were based upon investigations conducted by Cole at Cornell, Sawyer at Western Washington Experiment Station, by Davidson and Schalble at Michigan State College, by Jungherr at Connecticut State College, by the Louisiana State University and by the National Research Center, U.S. Department of Agriculture.

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**Gizzard Erosions in chicks** can not be considered a serious condition. Dr. H. J. Almquist and his co-workers at the University of California, who have addressed themselves to a careful study of the causes and effects of gizzard erosions, caution against the tendency to take gizzard erosions as proof of the presence of mycosis, a disease due to a microorganism.

Rations containing adequate amounts of wheat bran and alfalfa are sufficiently well supplied with the "anti-gizzard erosion factor," which factor stimulates the formation and secretion of bile in the chick. Among the adverse factors which might inhibit the formation and flow of bile when an adequate ration is supplied, Dr. Almquist lists: Lack of adequate feeding space, poor ventilation, chilling, overheating, contagious diseases and a variety of other factors which have an unfavorable effect upon the chick.

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**What is a filtrable virus?** Fowl Pox, Laryngotracheitis and Fowl Paralysis are some of the poultry diseases generally considered to be caused by a filtrable virus. Because of the prevalence of these diseases the term "filtrable virus" has found its way into the vocabulary of most flock owners.

In every-day language, filtrable virus refers to an infectious agent so small that it will pass through the pores of a porcelain filter. This definition patently constitutes an admission of ignorance as to its exact nature. Recently it has been demonstrated that crystalline proteins of high molecular weight can be isolated from diseased tissues and that these disease-proteins have the same activity as that generally attributed to an infectious virus. Certain enzymes, that is, complex organic substances found in the tissue of plants or animals, have also been isolated in crystalline form and found to be proteins. Several hormones are now known to be proteins or protein derivatives.

These newer findings are interesting in view of the fact that many years ago the Hungarian Scientist, Jarmai, concluded from his extensive studies that Fowl Paralysis and some forms of Fowl Leukosis are caused by an agent which he suspected to be an enzyme or a protein derivative. This fascinating problem of the protein structure is interestingly discussed and reviewed in the Jl. of Am. Medical Association (Dec. 3, 1938).

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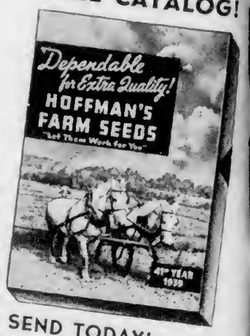


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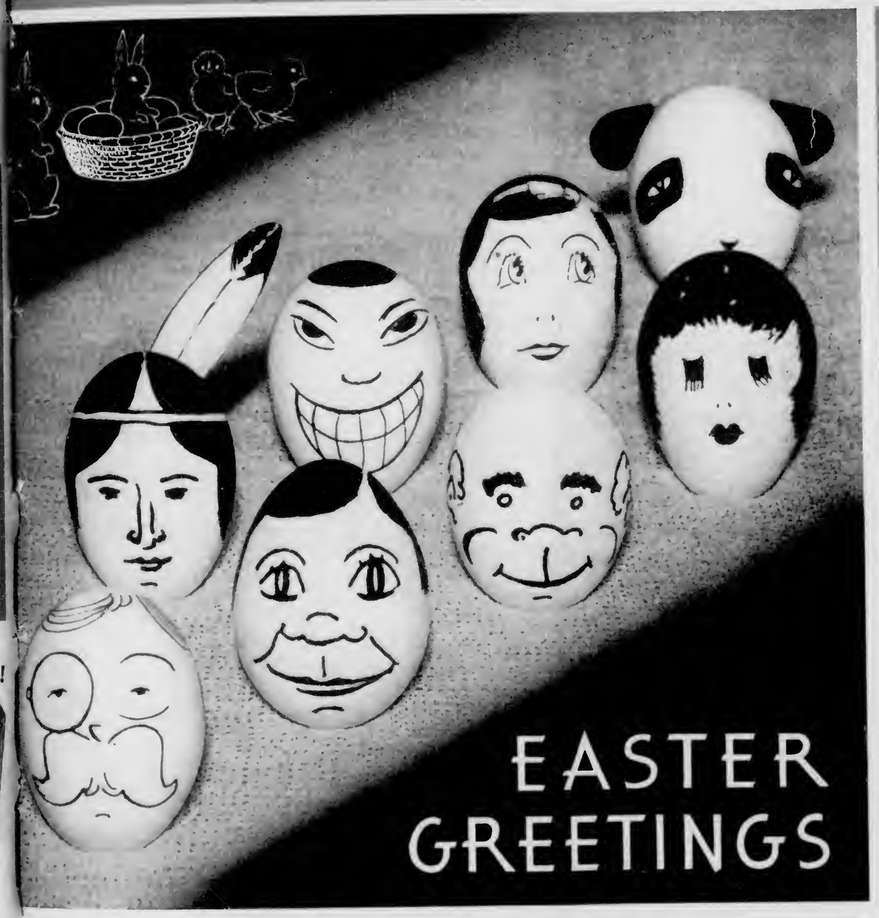


APRIL 1939

**LIMBERNECK IN POULTRY**
By B. F. Kaupp

**A NEW BREED NITTANY TURKEY**
By P. H. Margolf

*Published at Hanover, Pa.*

**How to Prepare SMOKED POULTRY**

*See Page 18*

## Starting 'Em Right is Half the Fight

The success you have in raising this year's chicks into marketable broilers—or into consistent layers later on — depends largely on the mash you use to start them off.

Good starting mashes containing DIAMOND CORN GLUTEN MEAL as the basic protein ingredient will grow healthy and vigorous birds—at reduced cost.

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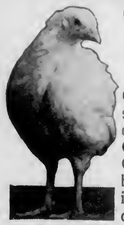

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**BROODER RECORD CARDS**—Keep accurate records this year on your chicks—the cost of feed, cost of fuel, mortality, etc. Tack a record up in each brooder house. One card, 5 cents; 3 cards for 10 cents; 12 cards for 25 cents. Order from Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

# *This Month* With Your Flock

### Chicks Need Fresh Air

One can't emphasize too much the importance of giving the chicks plenty of pure, fresh air. Frequent change of air in the brooder house is essential in carrying off the "dead" air and bringing fresh oxygen to the chicks. Be careful to avoid any drafts on the chicks, however.

### Large Founts Save Work

Bring out the large water founts just as soon as the chicks are big enough that they can't get their whole bodies into the water. You'll save yourself plenty of work. Scrub and fill them daily with fresh, clean water, however.

### Cull the Weaklings

Nursing along the runts or weak pullet chicks doesn't pay. They will never develop into profitable producers, for with their low resistance to diseases, they cannot survive the first laying year. It's better to market them with the cockerels and get what you can for them.

### Get Chicks on Roosts Early

Possible crowding and suffocating can be prevented by getting your chicks to roost as soon as possible. Feather development and general growth will also be better. Roosts 4 or 5 inches off the floor are high enough to start with. Raise them gradually as the chicks get older.

### Quarantine Your Chicks

Isolate the chicks on your plant as much as possible. Handle old birds and chicks separately. Clean shoes carefully on a mat containing a strong solution of disinfectant before entering the brooder house. Have separate equipment for your chicks as well as for the older stock. Every added precaution pays!

### Stir Litter Daily

Stir the litter in your brooder house every day. The litter will thus get a chance to absorb more moisture and will not have to be changed as often.

### *On the Cover*

The photograph on the cover this month shows what can be done with a pen, brush and waterproof ink in decorating eggs for Easter. After making the drawings, dip the eggs in various colored Easter dyes. Ears, hats, collars and other decorations can be added later.

# Through the Editor's Specs

### Adults Need to Eat More Eggs

In a recent issue of the Atlantic Monthly Magazine, Stuart Chase points out the fact that in 1938, there were 1,300,000 less children in grade schools in the United States than there were in 1930. This is due to the declining birth rate, brought about to some degree by the depression, but mostly by the fact that many couples do not wish to assume the obligations and responsibilities that come with the rearing of children.

Leaders in the dairy industry are recognizing that this trend is reducing the use of milk, and they are urging special efforts to promote the more general use of milk by adults, and to break down the tendency of youth to switch from milk to various other types of drink.

Undoubtedly, egg consumption is affected similarly. Healthy youngsters are usually heavy eaters, and they are not extremely fussy, unless badly spoiled, about the kind of food or the manner in which it is prepared. Older folks get "set" in their eating habits. Sometimes, it may be the result of digestive troubles. It would appear, however, that if we are going to accomplish very much in getting adults to consume more eggs, we have to give a lot more attention to attractive and appetizing methods of preparing eggs.

### All-Year Mash Feeding Pays

Anyone who has the notion that he can save money by cutting out the mash when the tender shoots of green grass make their appearance in the spring and the hens are allowed free run of the farm, is mistaken. It doesn't pay to take away the mash, and it is bad for egg quality when hens fill up on grass—too many dark yolks.

Out in Illinois, a survey of farm flocks revealed that flocks receiving mash the year around averaged 112 eggs, valued at $2.11 per hen. In contrast, flocks receiving mash only part of the year averaged 86 eggs, valued at $1.48. These flock averages would be too low to keep a commercial egg farm in business, but they do emphasize the false economy in trying to save by taking away laying mash.

### Spring Drive to Boost Eggs

In response to the requests from the various state egg stabilization committees set up by the National Poultry Producers Federation last year, the food chains, independent grocers and drug chains are lending support to the efforts to boost egg consumption again this spring.

The National Association of Chain Drug Stores set aside the period of March 22 to April 9 for a special drive on eggs in the states where producers indicated that they were in favor of such promotion. The drug chains did an especially fine job in promoting eggs last year, and their efforts were noticeable in the small towns as well as in their stores in the metropolitan areas.

The National Association of Food Chains has not set aside any particular time for egg promotion, but in its bulletins suggests that eggs be featured during the remainder of Lent and during two special weekly "pushes" between Easter and June 1. The International Baby Chick Association is cooperating by supplying two-color egg posters to any of the food chains which request them.

All of this special advertising on eggs is more valuable than most egg producers realize. Poultry producers would have to raise many thousands


[Please turn to page 26]



APRIL 1939 **Everybodys Poultry Magazine** Vol. 44, No. 4

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.;
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FEELIN' DROOPY, EH? OH OH—SAY, YOU'RE

## LAZY INSIDE

A LOT of chicks die for no reason you can put your finger on. Ordinary bowel troubles—Lazy Inside—and the stage is set for chick losses. Any little thing like too much heat, overcrowding or chilling finishes them off.

Dr. Hess Poultry Pan-a-min helps build death-resisting chicks in 5 important ways: (1) by improving appetite, (2) by aiding digestion, (3) by promoting better assimilation, (4) by assisting elimination, (5) by providing essential minerals.

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**DR. HESS** RESEARCH FARM TESTED **PRODUCTS**

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# The Nittany Turkey

*It's a New Breed of Turkeys Streamlined to Meet a Need for the Family-Size Bird*

This shows the comparative size of a large and a small breed of turkey. A. Nittany hen; B. Bronze hen; C. Nittany tom; D. Bronze tom.


By Paul H. Margolf
Pennsylvania State College


EVER since the Nittany Turkey was exhibited for the first time at the last Neppco Exposition in New York City, we have answered inquiries from Maine to California concerning this new breed.

In 1929 we became interested at Penn State in the propagation of wild life, and this included the Pennsylvania wild turkey. It responded well to the confinement method of turkey production and each year the progeny became more domesticated in habits.

Then the special turkey report was released by the U. S. D. A. Bureau of Agricultural Economics showing from their survey that the small turkey was in demand by the greater number of buyers of turkeys for home use. Quoting this report: "Unless the demand changes, which appears unlikely, future breeding operations in turkey production should probably be in the direction of small turkeys."

### The Family-Size Turkey

In view of this survey we began our selection work with the Pennsylvania wild turkey and developed a small turkey for family use. As a result of management methods we may say that the temperament of the Nittany compared to the Bronze in the turkey realm, is as that of the Leghorn compared to the Plymouth Rock in the chicken world. Future work will be with larger numbers of this breed emphasizing selection for shorter shanks and less ranginess in appearance.

Other domesticated varieties of turkeys such as the White Holland or Bronze show a wide gap in hen and tom weight distribution. The hens of these varieties average to weigh 12 pounds and the toms 20 pounds at 28 weeks of age. The latter weight is too heavy for the average family. This is where the 14-pound Nittany tom fits into the picture. Nittanies, both hens and toms, will qualify as popular sizes for family use.

Many light-weight turkeys offered on the market have little meat to cover the frame work of the bird and, therefore, appear as inferior quality. Because of the well rounded, thick meated breast, the Nittany hen, when dressed for market, presents an attractive appearance. This and more can be said of the Nittany toms. Small toms of the larger domesticated varieties, because of their slab-sided condition, do not have the consumer appeal. Nittany toms not only have the appearance of a compact well-meated carcass, but supply at the holidays the oft requested 11 to 12-pound dressed turkey.

Because of the increased consumption of turkeys in restaurant and hotel trade, the large tom has a special demand before and after the holidays. Bronze and Nittany turkeys have been compared at Penn State in weight (growth) response to the amount of feed intake. Naturally, the large tom of the Bronze variety will be the more efficient in feed cost per pound of weight produced. But sometimes these large toms are sold at a sacrifice by our local growers in order to discontinue the costly maintenance rations of so large a turkey. This is a disadvantage to the grower of large size turkeys.

In addition, the Nittany tom will mature for market in less time than it takes the Bronze tom. Perhaps we should call the Nittany a holiday turkey. Certainly the tom is of a popular size for this season of the year and in addition has a well meated breast, streamlined for consumer appeal.

### Why Call Them Nittany Turkeys?

Those familiar with the part of the Pennsylvania State College Farm assigned to the poultry department will recall the view one gets of Nittany Mountain and other mountain ranges so numerous in this part of the state. Since the original stock of this variety roamed this tree covered mountainous area of central Pennsylvania, what more fitting name could be given to them than that of the Nittany Turkey?

## Tentative Weights and Colors

| | |
|---|---|
| Adult Cock | 20 pounds |
| Yearling Cock | 17 pounds |
| Cockerel | 14 pounds |
| Adult Hen | 12 pounds |
| Pullet | 9 pounds |

### Color of Male

**Head:** Red, changeable to bluish white.

**Beak:** Light horn at tip, dark at base.

**Eyes:** Dark brown.

**Throat wattle:** Red, changeable to bluish white.

**Neck:** Under color black; surface color copperish bronze, each feather edged with black, the edging becoming wider toward breast and shoulders.

**Wings:** Fronts and bows under color dull black; surface color copperish bronze, each feather throughout its entire length crossed alternately with parallel black and light gray bars of equal width across the feathers. Secondaries, outer secondaries barred like primaries, barring becoming less distinct on inner secondaries which have a copperish bronze surface color.

**Back:** Under color dull black; surface color from base of neck to thighs copperish bronze, each feather edged across end with a narrow velvet black band which is wider on feathers toward the thighs; from the thighs to tail each feather is crossed with a copperish bronze band edged on the outer side with a velvet black band that gets narrower as the tail coverts are approached.

**Tail:** Under color of main tail and tail coverts dull black; surface color, each feather marked transversely with brown and black pencilling to a solid black band which is edged completely with chestnut brown.

**Breast:** Under-color dull black; surface color copperish bronze each feather edged with velvet black the edging becoming wider toward the fluff.

**Body and Fluff:** Body dull black; under color of upper thighs dull black, each feather having a copperish bronze band on surface bordered with band of black and terminating in an edging of chestnut brown. Fluff black, tipped with chestnut brown.

**Legs and Toes:** Lower thighs dull black lightly edged with chestnut brown; shanks and toes in mature specimens pinkish red; in young specimens dark almost approaching black.

### Color of Female

Beak, eyes, throat-wattles, legs and toes same as those of male.

**Plumage:** Similar to that of male, except an edging of chestnut brown on feathers of back, wing bows, secondary coverts, breast and thighs. The edging should be narrow in front, gradually widening as it approaches the rear of the specimen.




EAT MORE EGGS FOR HEALTH...

and Color more EASTER EGGS for fun

PAAS PURE FOOD EASTER EGG COLORS

10¢ or 3 for 25¢

One manufacturer of Easter egg dyes gave a real boost to eggs with this colorful poster distributed to retail stores handling its dyes.



7,500 BABY CHICKS Go to New Homes Every Day in This New INTERNATIONAL

*Loading up! This is the roomy Half-Ton International Model D-2 panel truck owned by Bob White's Hatchery, Baltimore, Md.*

DELIVERING 7,500 baby chicks a day calls for fast, dependable transportation. That is the kind of service Bob White's Hatchery in Baltimore is getting from its new International Truck.

Mr. White has this to say about his new truck: "I'm thoroughly satisfied with my new International as it certainly meets all my many requirements in transporting baby chicks, and is a great help in my hatchery business."

One of the features Mr. White likes is the panel body. No heater is necessary to keep the chicks warm, he says, even in coldest weather.

In ever-increasing numbers, hatchery owners are investing in Internationals—the trucks that bear the Triple-Diamond emblem. Ask the International Truck dealer or nearby Company-owned branch to tell you how Internationals are saving money hauling farm loads. Sizes in the line range from Half-Ton units to powerful Six-Wheelers.

INTERNATIONAL HARVESTER COMPANY
(INCORPORATED)
180 North Michigan Avenue Chicago, Illinois

INTERNATIONAL TRUCKS

# The Seventh World's Poultry Congress *Is Rolling Along*

By James E. Rice
General Chairman

THE meeting of the Seventh World's Poultry Congress and Exposition Industry Executive Committee and General Executive Board, February 3 at Cleveland, was the most gratifying and stimulating of the many which have been held to date. This is saying a good deal since each meeting progressively has been more productive of accomplishment that the one preceding. The curve of progress has been constantly upward and at an increasing rate.

The justification for this highly optimistic statement is that slowly but steadily, soundly and effectively the detailed plans, programs, divisions of responsibilities and financing for both the Congress and Exposition have been worked out, approved, put into action and publicized. This largest and most important agricultural event is moving steadily forward with the irresistible force of a great glacier.

It is now a certainty that this stupendous undertaking will be a pronounced success if, as appears more and more certain to be the case, the sale of Membership Certificates, commercial and educational exhibit space and concessions will continue to materialize at the present rate in the states actively participating.

As the true significance of the Seventh World's Poultry Congress and Exposition becomes apparent, the more generous and unanimous is the response. From the returns in cash and pledges received to date, we may confidently predict a constantly rising curve of interest, a larger intent to participate and to attend as we approach the time of the holding of this all-inclusive poultry industry event.

But only those who have attended the meetings of the general executive board and observed in detail the vast amount of thought and effort which the national and state executive officers and members of the six major activities and other committees have put into their jobs can realize the huge task which the poultry industry in partnership with the Federal Government has undertaken and will put through to a successful completion.

### An All-Industry Event

Here is an all-industry promoting, educational and commercial enterprise which is of so great and far reaching importance to the welfare of everyone who profits by the prosperity of the poultry industry that its beneficent influence will be felt now and for many generations to come. It is an event which every individual, firm, organization, institution and state interested in the welfare of the poultry industry should actively support. If so, they will forever rejoice in the fact and point with growing pride to the part which they had in its success.

A person reading all of the many Congress publications which are now available for free distribution by the 48 State Congress Committees, or from Secretary General, W. D. Termohlen, Department of Agriculture, Washington, D. C., or the Managing Director, Sidney A. Edwards, Public Auditorium, Cleveland, Ohio, will visualize a glowing mental picture of the 12 absorbing Seventh World's Poultry Congress and Exposition attractions. But it is only by a visit to

[Please turn to page 14]

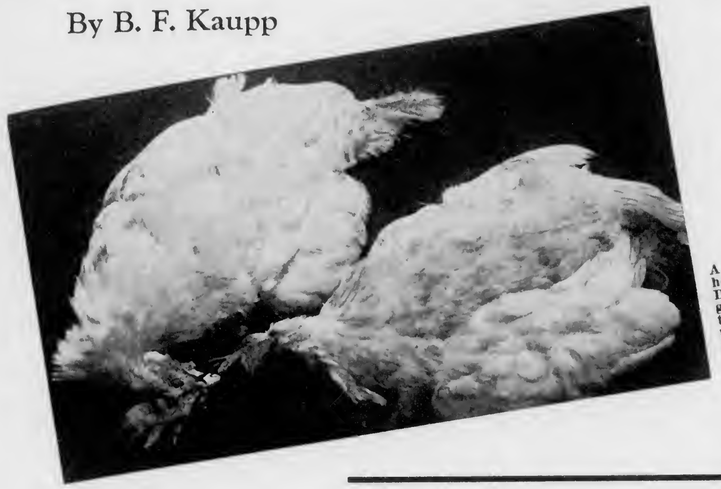
Here is the Hall of Nations and States at the World's Poultry Congress.



# *Limberneck*

By B. F. Kaupp

*Here is a disease that takes a heavy toll in farm flocks every spring. It is usually the result of eating decayed animal or vegetable matter. Clean up the premises to guard against limberneck.*



A pair of White Leghorn hens with limberneck. Dullness and an unsteady gait are among the symptoms noticed early before paralysis sets in. The feathers may pull out as if the bird had been scalded.

How the Fly Helps to Spread Limberneck (Botulism)

An adult fly. | Fly lays eggs in manure pile, garbage, and dead animals where eggs mature. | Top—Eggs Bottom—Worms hatched | Germs carried by fly

LIMBERNECK is known by scientists as botulism. It is an infectious disease in which the toxin or poison is taken in through feed or water to be absorbed by the blood and carried to the nerve centers.

The germs of limberneck act differently than those of such infectious diseases as cholera and typhoid, which produce toxin in the body at the point of infection, from where it is carried by the blood to the various organs, which, in turn, become diseased causing death of the bird.

### Caused by Poisons of Decay

The limberneck (botulism) organism does not produce toxin in the body of the bird, but produces toxin in decaying animal and vegetable matter, which it happens to infect. The blow fly, having eggs she must lay, is constantly looking for a place to lay them where, when hatched, the young worms (fly larvae) will have food on which to live and develop to the fly or reproductive stage. Poultry, such as the chicken, turkey or duck, may eat the fly maggot carrying toxin of the germ into its intestine where it is absorbed into the blood, which in turn carries it and distributes it through the body with the result of damaged nerves and a form of paralysis followed by unconsciousness and death.

Limberneck interferes with movement of groups of muscles especially of the skin and those attached to the body skeleton which places it in the group of nerve diseases having paralysis as a prominent symptom.

To have a clear idea of limberneck one must understand paralysis. Paralysis affects muscles; muscles have two actions, one of contraction and another of relaxation. The muscles attached to the bones are called skeletal muscles, and it is by this power of contraction and relaxation that birds are able to walk and fly and do other things. If these movements are not coordinated and in harmony a condition called paralysis occurs. Paralysis is partial or complete loss of the use of a group of muscles.

### A Different Type of Paralysis

According to the cause of paralysis we place them in two groups. One is called functional paralysis, and the other, organic paralysis. Functional paralysis is due to the toxic or poisonous products given off by such heavy infection as round worms and tapeworms. Such breaking down has been attributed to chronic coccidiosis. It may be caused by toxic products from certain molds that cause spoiled feeds, it may be caused by a lack of vitamin B. Limberneck or botulism belongs to this group. Birds with functional paralysis may recover.

The organic or degenerative paralysis occurs in such diseases as caused by the infection of range paralysis. In this case, it has been shown, by many laboratory workers that the infection becomes lodged in the nerve centers. Once established in these nerve centers, there is a gradual destruction of the nerve cells. These cells are not rebuilt. Later the nerve trunks become thickened, yellowish—diseased. Therefore, such a bird cannot recover. This form of paralysis occurs in range paralysis.

### How Limberneck is Spread

Limberneck is contracted only through feed or water. It is not passed from one bird to another as are such diseases as cholera or tuberculosis. It is not contagious in the sense as applied to other germ diseases. The disease is caused by the products of decay in animal and vegetable matter. This germ produces the toxin in the decaying animal or vegetable matter outside the body of the bird.

Kalambach and Gunderson, in their bulletin under date of 1934, on their studies of Western duck disease, Technical Bulletin 411, Department of Agriculture, state that the toxin is carried by maggots. In their experimental work, they gave 10 fly maggots, from the decaying matter, to a

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# The DIARY of a Poultryman

By P. S. White

"I will sleep out there around the hovers with them tonight. If anything should happen, I want to be there abouts. It is somewhat a force of habit, but if anything should happen it will pay a big dividend to have been on the job."

**April 1**—How time does fly! It is chick time once again and we must get started on the brooder houses. Although the houses were cleaned and disinfected last fall and even though the eggs haven't been set, it is high time to think about getting the houses ready. And ready means exactly that, so that all we have to do is to place the chicks around the stoves.

Preparedness is the watch word for successful brooding, that is, if one watches for old coxy, worms, bronchitis, hawks, skunks, dogs and what have you. I haven't forgotten the dog that mowed the chicks down last year. Sixty pullets, if I recall correctly, were worth more than the dog.

**April 2**—Yesterday, when I took the eggs to the auction, Ralph Treat, Ralph Sheppard and I had quite an extended argument on interior egg quality. They say that quality is slipping, that the yolks are getting heavier. By "heavier" they mean that the yolks are becoming a deeper yellow.

Verne Chamberlin told me a few days ago that the Experiment Station eggs lost a grade on the auction. But Verne wanted good hatching eggs and had given the breeding stock free range some days previous. Naturally, the birds ate lots of tender, green grass, which in turn imparted a good, yellow color to the yolk. The auction boys say such a procedure is hard on good quality market eggs, but a good quality chick in the hand is worth a whole incubator full of dead in the shell. Yes, and a thousand times, yes.

**April 5**—So far this month, I haven't said a word about the work that has been going on at the ranch. But we have been working. Yesterday, we started on the three bended-bow brooder houses.

Walter Buss phoned today that the chicks for these houses would be delivered the afternoon of the 25th, 1,500 of them. The balance, 3,000, will be delivered on the 28th. It takes time to get a brooder house ready for chicks. I figure a day to the house, even though they were cleaned and disinfected last fall when the pullets were taken from the range.

**April 7** — The three bended-bow rafter brooder houses are now ready for chicks. All we have to do is to fill the mason jar chick fountains and light the tin can oil burning brooder stoves. We gave the stoves a practical test out today. They were cleaned and re-cleaned before they were set up, and so they worked. They beat and banged and pounded on the floor, puffed and roared and bellowed in the chimney. They had it bad; there is no question about it. If my interpretation of the word "spizzerinktum" is correct, then that is what those stoves have.

Newspapers spread around the stoves covering the peat moss, prevent the chicks from eating the litter until they learn what they are supposed to eat. A crop full of dry litter means a dead chick and quick, too.

**April 8**—Ralph Treat informed me today that the entire auction force, including the office staff, was going over to visit the Butler, Pa., Auction next Sunday. He invited me to go also. I feel highly honored that the young folks should want me, an old fellow dragging both feet through the grave, to share their pleasure. I am looking forward to the trip for I know we will have a good time, just can't help but have. Anyway, I had pleasant thoughts this afternoon thinking about it while cleaning the dropping boards. They say that anticipation is 50 per cent of realization, and perhaps it is.

I still contend that a rubber-tired wheel barrow is the berries when it comes to hauling manure. It is so easy to spread it on the land, for one is right there and no reaching across a truck body is necessary.

**April 9** — Saturday, and Donnie White was home all day. Donnie knows the routine work just as well as I do, so when he is around, we try to get all of the extra work done that we possibly can. First the lawn was mowed, apple pomace barrels filled for the cows and all feed rooms and the garage swept. Then we started preparing the remaining six brooder houses for chicks.

It takes time to set up an oil stove if it is done properly. We don't use any guess work at all, but use a spirit level and level it across the top—east and west then north and south. The smoke stack, a 5-inch galvanized pipe is placed and then removed. A gallon bucket is placed over the roof flange to prevent rain entering. If we don't do it this way, the stove is apt to collect water.

**April 11**—A high-class cold, intestinal flu they call it, mowed me down yesterday morning. I realized I would not be able to make the trip to Butler, Pa., with the auction boys, so Kid White phoned Ralph Treat to that effect. Just about all I did today was to pack the eggs, and from the way I felt, I should have been in a hospital.

**April 12**—Well, I managed to drag in with the eggs this morning. Incidentally, I wanted to get the low down on the trip the boys made Sunday. I got it; the casualties were 50 per cent. Four cars conveyed the entire crowd. One car drove at least 75 miles out of the way. Another car was overhauled by the long arm of the law. After that they took the downs with the ups and didn't try to level out the roads. The other two cars had nothing to report.

**April 13** — A rather peculiar thing happened today in the west house. At each gathering of eggs, at 8, 11 and 2 o'clock, the count was 116, and the 5 o'clock count was 16. Three hundred and sixty-four eggs from 550 two-year old hens isn't to be sneezed at even at this time of the year. The interior quality is running high, too.

Last week's official grading on the Auction was 93 per cent U. S. Extras or better, 4.5 per cent U. S. Standards and 2.5 per cent trades. This is 23 per cent higher than the entire auction ran in the top grades. In simple language, so many producers are not taking proper care of their eggs.

Uncle Ezra Stanley of Wabash, Indiana, arrived this evening by bus. He and I are going to the Butler Auction Friday on our own hook. A little vacation, so to speak.

**April 15** — It is a holiday for Old Man White. Uncle Ezra and I go places when we take a trip. I know we won't be home until late, so I am writing the Diary while Kid White cooks the bacon and the breakfast coffee perks. We are going to the Butler Auction via East Liverpool, up through the Beaver Valley and then across country to Butler. We will take the northern route home, New Castle, routes 422, 224, Akron over to 3, turning south to home. If realization is as pleasant as anticipation, then this trip is an assured success.

**April 16**—What I haven't been able to figure is how we missed the road at East Liverpool, Ohio. I thought all the time that we were going northeast, but when we finally reached the peak of one of the many mountains, we had been traveling southeast, according to the sun. We had toured a large area of West Virginia. Then we looped the loop and shot the shoots; went up mountain sides not knowing if the road was going on straight up, straight down, to the right or to the left.

The Beaver Valley — Monaco, Rochester, New Brighton — with its pleasant memories of long ago and on to a royal reception by Mark Weser, manager of the Butler Auction, and Inspector Franks. Yes, it was time and money well spent. Realization was far more than anticipation. I saw many things of interest; I talked to folks who spoke my language. I have had my vacation, and from now on, it is work and responsibility, but I am at peace with myself.

"I thought all the time that we were going northeast, but when we finally reached the peak of one of the many mountains, we had been traveling southeast, according to the sun. We had toured a large area of West Virginia."

**April 18**—One week from today and I will be brooding chicks, 1,500 of them. Ten days from today and the fight will be on in earnest. I will be the sole guardian of 4,500. It will be a fight, too, as to whether I get the chicks or Old Coxy, gaping disease, worms, bronchitis, dogs, cats, crows



NOW! "TRACE ELEMENTS"

Nature's Food from the Earth's Crust

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HIDDEN HEALTH!!

SCIENCE has proven, just 4 tiny ounces of manganese, . . . added to a whole ton of chick starter. . . . *cures slipped tendon. . . . increases chick growth as if by magic.* Yet, only yesteryear, men ignored manganese. Such tiny traces are found in chicks and eggs, it was thought unimportant.

Manganese is a "Trace Element." Its story is the story of all "Trace Elements." The earth's crust. . . . through which nature feeds wild men, beasts and birds, contains numerous others. . . . cobalt, nickel, titanium and many more.

Like manganese, only tiny traces of each are found in chicks and eggs. Some are KNOWN to have important functions. Most still have science baffled.

But, Pratts believes wise nature uses them for some good. . . . some important reason. So, we've added "TRACE ELEMENTS" to Pratts Baby Chick Food. We know copper and iron prevents weak, anemic chicks. . . . zinc helps vitamin absorption. . . . titanium nourishes the glands. . . . and glands control growth and egg production!

All these are "Trace Elements." All these and more are now ingredients in Pratts Chick Starter. We've fed them to our own chicks for 2 years. Never have we had such healthy, profitable flocks. . . . such low mortality. "Trace Elements" brought out the hidden health in our chicks. They will bring it out in yours.

See your dealer today. Demand Pratts Buttermilk Baby Chick Food. . . . the only starter specifically fortified with "Trace Elements."

Now Contains "TRACE ELEMENTS"

**Register Your Flock In Pratts FREE HEALTH PROGRAM**

Let Pratts guide you to healthier, more profitable flocks. Send in the Registration Blank and you will receive a steady stream of Health Bulletins . . . for the next 6 months, . . . that will help you cut mortality.

**There is no charge for this service. You are not required to make a purchase. Send REGISTRATION BLANK TODAY!**

PRATT FOOD CO. Dept. 149
Philadelphia, Pa.
I wish to register my flock in Pratts FREE Health Program. I understand that there will be no charge for this service and that I am not required to buy anything to get it.
This year I will raise.....Chicks
(Give number)
I will start them.....
(Give date)
NAME.....
(Print clearly)
ADDRESS.....
TOWN.....STATE.....

Pratts Buttermilk BABY CHICK FOOD
MASH OR PELLETS

# MAKE EXTRA PROFITS THIS YEAR

*WITH AMERICA'S GREAT MONEY-MAKING STRAIN*

This hen laid 331 eggs in one year. Official Record. Big type beautiful white layers.

***Be Sure Your Chicks Come From***

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**PEDIGREED — TRAPNESTED BREEDERS — EVERY BREEDER STATE BLOOD-TESTED**

SUPREME MATINGS—from STOCK PROGENY TESTED for HIGH EGG PRODUCTION and HIGH LIVABILITY: U.S.,R.O.P. dams with trapnest records 275 to 300 eggs—they have 4-6 consecutive generations of 250 to 340 egg ancestors on dams' side—300 to 352 eggs on sires' side; U.S.,R.O.P. males and females produced by World's Record 1937 Pen which averaged 313.9 eggs, 355.9 pts.

All males heading our supreme matings have pedigreed records as here described—undoubtedly the World's Best Bred Line of Leghorns.

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for ordering early. Answer this ad promptly. Get my FREE 40-page catalog "Make Extra Profits this Year with America's Great Money-Making Strain," and FREE Kerlin Service Bulletin.

**10-Point 30-Day Guarantee**

**Day-Old Pullets** (Guaranteed 95% true to sex)

**Day-Old Chicks** (not sexed), Day-Old Cockerels

**LAST CALL!**

We are nearly all sold out. Thousands of old customers increased their orders this year. Large numbers of new customers added, who know value of "KERLIN - QUALITY'S" ability to make big profits. Can accept limited number orders for April-May delivery.

**GET THE CREAM OF NEARLY 40 YEARS**

Continuous breeding improvement of only one breed, "KERLIN-QUALITY" S. C. W. Leghorns. My 1939 matings contain what I believe to be the best Leghorn breeding in America. This means that you have that much extra chance to make extra profit in 1939 and years to come, with "KERLIN-QUALITY" chicks. Sustained High Egg Production, and High Livability are credited to "KERLIN-QUALITY." Nearly 100,000 customers in 48 states and 30 foreign countries.

**KERLIN'S GRAND VIEW POULTRY FARM,** 204-F Walnut Road CENTRE HALL, PENNA.

Buy Now! **MAPLE LAWN LARGE CHICKS**

**BRED FOR SIZE AND EGG PRODUCTION**

Extra Quality!

| Hatches Every Mon. & Thur.—100% live delivery Postpaid | 100 | 500 | 1000 |
|---|---|---|---|
| Large Type Eng. Wh. Leghorns & Br. Leg. Pullets, 90% guar. | $12.00 | $60.00 | $120 |
| White & Black Minorca Pullets, 90% guar. | 15.00 | ... | ... |
| R.W. & Buff Rocks, W. Wyand, R.I. Red, Rd-Rock Cross Pull. 90% Guar. | 8.50 | 42.50 | 85 |
| New Hampshire Red Pullets, 90% guar. | 9.50 | 47.50 | 95 |
| White & Brown Leghorns | 6.50 | 32.50 | 65 |
| B.&W. Min. R.I. Reds, B.W. & Buff Rocks, Rd-Rock Cross, W. Wyand. | 7.00 | 35.00 | 70 |
| New Hampshire Reds | 6.00 | 40.00 | 80 |
| Heavy Mixed | 6.00 | 30.00 | 60 |
| Light Mixed | 5.50 | 27.50 | 55 |

Day-Old Leghorn Cockerels $2.50-100; Heavy Mixed Cockerels $6.50-100.
All Breeders Blood-Tested. Write for Cash Prices and FREE CATALOG.

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All Breeders Blood-Tested for B. W. D. Whole Blood Antigen method, carefully culled under my own supervision. Hatches every Mon. & Thurs. of each week.

| ELECTRIC HATCHED. 100% live del. P. P. Cash or C. O. D. | 100 | 500 | 1000 |
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| LARGE TYPE ENGLISH S. C. WHITE LEGHORNS | $7.00 | $35.00 | $70.00 |
| SEXED ENGLISH LEGHORN PULLETS (95% SEX GUARANTEED) | 13.00 | 65.00 | 130.00 |
| BARRED AND WHITE ROCKS, R. I. REDS | 7.00 | 35.00 | 70.00 |
| WHITE MINORCAS, BLACK MINORCAS | 7.50 | 37.50 | 75.00 |
| RED-ROCK CROSS BREEDS, N. H. REDS | 8.00 | 40.00 | 80.00 |

Heavy Mixed $6.50-100. Sexed Leghorn Cockerels $2.00-100. Write for circular or order direct from ad.
CLEAR SPRING HATCHERY, F. B. Leister, Prop. Box 60 McALISTERVILLE, PA.

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**6687 DOZ. EGGS IN 21 WEEKS**

*"My flock of 1000 pullets hatched Feb. 5, 1938 started laying in 5 months and produced 6687 doz. nice large eggs in 21 weeks which brought $1921.50."*—Paul Borton (Ohio)

Ohio Approved Chicks

500 R.O.P. Pedigreed Male Breeders are being used this year. Dam's records to 316 eggs. Flock records, 212 eggs. 80% production reports. Sexed Leghorns. Rock and Red chicks, poults and ducklings. 20 years in business. *FREE*—complete story of Live-Lay-Pay chicks. Send for it today.

*Rupp Prices* **6.85 UP**

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**STONEY RUN** *English Leghorns* Cash or C. O. D.

| 100% Live Del. P. P. | 100 | 500 | 1000 |
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| ENGLISH LEGHORN | | | |
| PULLETS, 95% GUAR. | $13.00 | $65.00 | $130 |
| Unsexed English Leghorns | 7.00 | 35.00 | 70 |
| Bar., Wh. Rocks & R. I. Reds | 7.00 | 35.00 | 70 |
| N. H. Reds | 7.50 | 37.50 | 75 |

H. Mix $6.50-100; Leg. Ckls. $2-100. From FREE RANGE Breeders Bloodtested. For full details of my Breeds & Hatchery get my FREE Catalog today.
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H. M. Leister, Box E McAlisterville, Pa.

**BAUMGARDNER** HUSKY HI-GRADE CHICKS

All Breeders Bloodtested for B.W.D.
Large Type S. C. Wh. Leghorns .. $7.00
Wh. Leghorn Pullets (95% guar.) .. 13.00
Bar., Wh. Rocks, R. I. Reds ..... 7.25
N. H. Reds, W. Wyan., Buff Orps. 7.75
Heavy Mix ... $6.50; Wh. Leghorn Cockerels ... 2.50
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or hawks get them. To be perfectly frank, I think all of us will get a share, but I am selfish enough to want them all. I want more than the lion's share, but on the other hand the diseases couldn't flourish and prosper if they didn't have subjects upon which to reproduce. This is a charitable way to face the situation, but experience tells me that the Old Man always pays the bill.

**April 19** — If nothing goes wrong, but it usually does, today should see all the brooder houses ready for the chicks. The card board chick feeders have been set up and the feed is at hand. Nothing to do but set the smoke stacks in place and fill the fountains. All the oil tanks have been filled. The supply barrels, 300 gallons, are full also. What a grand and glorious feeling!

"Newspapers spread around the stoves covering the peat moss, prevent the chicks from eating the litter until they learn what they are supposed to eat. A crop full of dry litter means a dead chick and quick, too."

**April 25**—They are out there in the houses now—1,500 of them. And they are big, husky fellows, too. Walter Buss phoned that he would be here at 1:30 P. M. He was and like Old Finnigan—off again, on again, gone again—he was out of here in 15 minutes with the empty chick boxes. We don't stand around and pass the time of day, but get the chicks out of the boxes. That is the big idea, get them out and under the stoves, get them out where there is feed and water. They will grow better when they are out of the boxes. I will sleep out there around the hovers with them tonight. If anything should happen, I want to be there abouts. It is somewhat a force of habit, but if anything should happen, it will pay a big dividend to have been on the job.

**April 26**—I am getting in that class myself, for I didn't lose any chicks the first night either. But it can't last, some of them will surely die. There always are some losses, and I suppose there always will be. It is a good old poultry doctrine—what is to be will be.

The boys concoct all kinds of schemes to prevent chickens from dying, the fountain of youth so to speak, but I just plod along and incinerate them. I guess I have my quota in Prof. Dakan's five million dead hens that march 16 abreast across Ohio each year. That is an army of dead hens in any man's country.

**April 27**—They thump, pound and roar when fired up. That is the way these tin can, oil burning brooder stoves are acting out here on the range tonight. I have officially moved out for the duration of the brooding season. It seems, though, that I have moved to a combination boiler plant and barn yard. When the stoves are not making industrial noises, they make any kind of old racket. Just a few minutes ago the stove in No. 2 started emitting a noise like a mule, braying at the break of day. And did I tear up there? When you give them the gun, so to speak, they get hot. A slight breeze is blowing which makes the draft that much stronger. Oil stoves need a heavy draft to function properly.

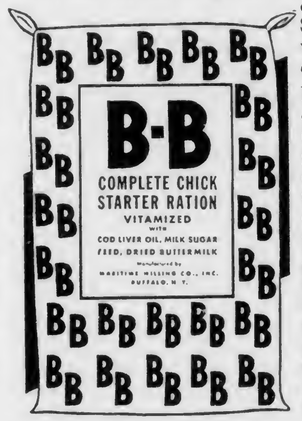
**April 28**—It pays big dividends to be prepared. Walter Buss drove up to each house and unloaded 500 chicks. On the way back, he picked up the empty boxes. It was the first time that he has ever brought chicks out that it either wasn't raining or the car mired. We both remarked about it. But it was a coincidence that it rained right after he left.

**April 29** — Well, the first night of brooding was ideal. I gum-shoed around over the range several times and everything was hunkey-dorey. The tin can stoves were percolating perfectly so I retired to snatch some sleep. It is the old army game, get all the sleep you can for there will be times when no sleep will be available.

Anyway, his troubles are all over and mine have just started. In fact, my troubles will continue until the pullets are housed this fall. Then the responsibility will start all over. Out here on the range, I will have the known and unknown with which to contend. It will be a continuation after the pullets are housed. We chicken men catch it from all angles.

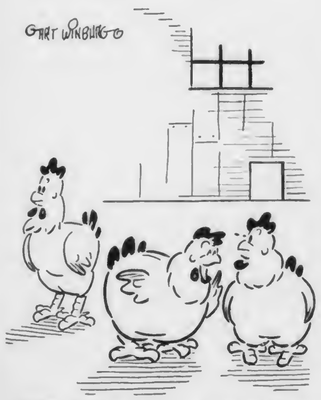
# "Figures prove B-B gives best results on all counts, *with* Least Mortality *and* Most Stamina," *says Harry Hoepfl*

Harry Hoepfl raises 6000 chicks annually and feeds B-B Vitamized Complete Starter Ration to most of them. But he also makes periodic comparisons with other starter feeds. So he is absolutely sure of his facts when he says B-B gives *best results on all counts.*

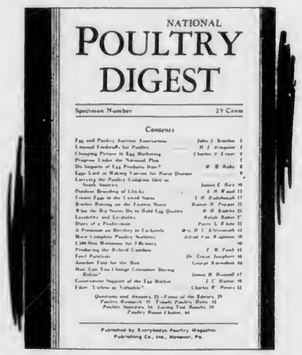



His experience checks with thousands of other poultrymen who have found that a change to B-B has resulted in greater livability and the sound foundation that enables chicks to grow into larger, stronger, heavier-laying birds.

The B-B Complete Poultry Feeding Program is a guide to larger poultry profits. The best time to start following its sound and proved recommendations is right now. Why not ask us or your B-B dealer for a free copy of this program, follow its directions and make a worthwhile addition to your poultry profits? Maritime Milling Co., Buffalo, N. Y.


"Golly, is she dumb! — She asked me how do we lay colored eggs for Easter."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# Everybodys Poultry Partner

U.S.M.

Enclose a 3-cent stamp for reply when writing to Poultry Partner, Everybodys Poultry Magazine, Hanover, Penna.

### White Egg Breeds

Q.—What are some other breeds besides Leghorns that produce white eggs?—J. S. B., Pa.

A. — Other breeds besides Leghorns which produce white eggs are Anconas, Campines, Dorkings, Hamburgs, Houdans, Lamonas, Minorcas, Polish, Sultans and White-Faced Black Spanish. Of these breeds, the Anconas and Minorcas are by far the most popular and most common.

### Placing Chicks on Range

Q. — When are the chicks taken from the brooder house and placed on range?—J. B. M., Pa.

A.—The time at which chicks are taken from the brooder house and put on range is a matter of individual preference and varies with the different types of management. The weather also is a deciding factor. Generally, however, chicks from 10 to 12 weeks old are sufficiently old enough to be placed in the range shelters. Some poultrymen who have their brooder houses on range allow the chicks out in very cold weather, when they are very young, so that these birds may be placed in shelters at an earlier age than those which are confined entirely until the time they are ready for range. It is well to brood the chicks at a low temperature during the last few weeks before they are placed on range, so the change will not be too severe for them.

### Preventing Musty Eggs

Q.—What causes fresh eggs to have a moldy taste? I keep everything as clean as possible, collect eggs three times a day and keep them in the cellar where it is cool.—C. S., Md.

A.—Perhaps the cases, or the flats and fillers in which you pack the eggs are not as clean and free of odors as they might be, or the air in the basement is not as fresh and clean as it should be. It is a good idea to spread all of the eggs out on a tray where they may lose their body heat before packing them into the case. Under any conditions, do not pack them into shipping cases while they are still warm. Eggs, like butter, absorb foreign odors very readily and it is necessary that they be held in a cool place entirely free of mustiness and foreign odors.

### Causes for Deformed Eggs

Q.—Would you tell me what causes hens to lay deformed eggs?—O. J., N. Y.

A.—It is possible that birds laying eggs which are not uniform and normal in shape inherit this trait, but if a great number of the birds in the flock lay eggs of this kind, there is a possibility that the deformity is caused by some other factor. An inadequate amount of calcium, or the incorrect proportion of calcium to phosphorus sometimes is the cause.

Various kinds of abnormal eggs have been noticed, such as dwarf eggs, double yolked eggs, eggs with three yolks, triple shelled eggs, soft shelled eggs and bloody eggs. Most abnormal eggs, such as an egg within an egg, are the results of temporary disturbances in the oviduct of the hen. Sometimes a hemorrhage in the egg-making organs causes these abnormal eggs.


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EXTRA-PROFIT is bred into every one of more than 3,000,000 Chicks hatched by WENE every year. Such Chicks pay handsome cash dividends to poultrymen who know that Real Profits—Big Profits—Steady Profits are made only from Fancy Poultry Products.
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### Keep Out the Flies

Q.—I have about 1500 to 2,000 chicks being raised in batteries. From these chicks we remove from one to two tons of droppings a month. These droppings are not on the pans over two days. Can you tell me where to find information that will show me how to avoid breeding flies? How to prevent smells that are bad? How to utilize the value in the fertilizer?—N. H. B., La.

A.—It is very difficult to keep flies out of the poultry houses unless you screen the windows; that is the only satisfactory way I know of to control this pest. The manure in the droppings pans is bound to attract the flies, especially in warm weather, and only by excluding flies altogether from your poultry houses can you prevent the development of maggots and more flies.

The house fly is an intermediate host of the tapeworm, and by keeping flies away from your birds, you will greatly lessen the chances for tapeworm infestation in your flock.

Besides screening your windows, you might put lime or acid phosphate on the droppings pans. Peat moss also will absorb much of the moisture and odor.

### Setting Cracked Eggs

Q.—I have a goose egg which is cracked, with a dent in one side. Is this any good for setting?—F. H. S., Pa.

A.—There is no use in setting any eggs which are cracked or have extremely thin shells. The chances are that very few of such eggs will hatch.

# The Situation BRIEFLY REVIEWED

**Egg prices** have strengthened slightly around the middle of March, despite the fact that storing in the four major markets lags far behind last year and receipts have been expanding. Nearby special whites on March 20 sold for 22 cents a dozen in New York, compared with 21½ to 22 cents on the same day a year ago. Nearby special browns brought 20½ cents a dozen on March 20 this year and 21 to 22 cents a dozen last year. Mixed color firsts were 17½ to 17¾ cents this year and 17¾ to 18½ cents on the corresponding day a year ago.

**Egg production,** as indicated by receipts at the four leading markets (New York, Chicago, Boston and Philadelphia) from February 1 to March 11, was practically the same as that during the corresponding period last year, and 4 per cent greater than that during the same period two years ago.

**Egg consumption,** as shown by trade output at the four largest markets during the five weeks ending March 11, was 3.69 per cent greater than that of the same period a year ago.

**Cold storage holdings of shell eggs** on March 1 were 41.6 per cent less than those on the same day a year ago and 10.8 per cent less than the March 1 five-year average, 1934-38. Frozen eggs in storage on March 1 were 49.8 per cent less than those on the same day last year and 10.3 per cent below the March 1 five-year average. Total case equivalent of both shell and frozen eggs on March 1 was 49.0 per cent less than on the same day a year ago and 8.3 per cent less than the March 1 five-year average.

**Total frozen poultry holdings** on March 1 were 15.7 per cent above those on March 1 last year, and 5.2 per cent above the March 1 five-year average, 1934-38.

*New* PURI-FLAVE *now in* STARTENA

**Supplies an abundance of Flavin ...important Growth Factor**

IT'S A SAFE GUESS that thousands of chicks every year fail to grow and develop properly because of lack of vitamin G (flavin) in their feed. This factor is absolutely necessary for growth. Without it there can be no growth. Feeding tests for several years have shown that some of the ingredients ordinarily used in starting feeds vary in their flavin content.

Today, Purina has found a new way to increase the amount of flavin in Startena. A new, exclusive flavin concentrate, PURI-FLAVE, is now being added to every bag of Purina Startena. This guards against a deficiency of this important growth factor.

Puri-Flave is 2½ times richer in flavin than dried buttermilk. It is 4 times richer in flavin than dehydrated alfalfa leaf meal. These are the ingredients that up to now have been considered some of the best sources of flavin.

When you feed the new Startena containing Puri-Flave, you give your chicks a tried and proven feed. See your Purina dealer today... have Startena on hand when your chicks arrive!

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**SEE THE DIFFERENCE *STARTENA* MAKES!**

## Wonderful Success

### Raising Baby Chicks

Mrs. Rhodes' letter will no doubt be of utmost interest to poultry raisers who have had serious losses raising baby chicks. Read her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks so thought I would tell my experience. My chicks, when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Company, Waterloo, Iowa, for a 50¢ box of Walko Tablets. They're just the only thing to keep the chicks free from disease. I raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhodes, Shenandoah, Iowa.

#### Danger of Infection Among Baby Chicks

Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your entire flock and cause the loss of half or two-thirds your hatch before you are aware. Don't wait until you lose half your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell and you won't lose one where you have lost dozens before.

#### You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Give them in all drinking water from the time chicks are out of the shell. Satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. You buy Walko Tablets entirely at our risk. We guarantee to refund your money promptly if you don't find them the greatest little chick saver you ever used. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer can not supply you. Price 50– and $1.00.

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| White and Brown Leghorns, Reds, | 100 |
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STARTED CHICKS, 1 wk., $12-100; 2 wks., $16; PULLETS all ages. PROMPT DELIVERIES

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Box E, Madison, N. J.

"Boy! I sure hope we meet some classy hens at th' International Live Bird Exhibit of the World's Poultry Congress!!"

## *The World's Poultry Congress Is Rolling Along*

[Continued from page 6]

Cleveland and a personal inspection of the 15,000 capacity Arena and many other large meeting rooms in the Public Auditorium, the Hall of Live Poultry, the Hall of Youth, the Hall of States and Nations, the Stadium and the spacious surroundings, including more than 25 acres floor space and grounds for the Congress use, that one can secure and enjoy the real thrill of pride and satisfaction in the vastness of this undertaking.

The fact that the poultry industry in all of its branches and all of our 48 states and many nations has had the vision, the leadership, the cooperative spirit and the enterprise to organize, finance and administer on a self-sustaining voluntary basis an event of such large proportions and deep significance to the welfare of all will be a revelation when they behold what the poultry industry has wrought. Its beneficent influence will be felt by millions of persons for many generations.

#### "Gilt Edge Investment"

Let no one erroneously assume that the time and money expended in a trip to the Seventh World's Poultry Congress and Exposition will not prove to be a wise, gilt edge investment in prompt returns in **dollars, education** and personal **satisfaction.** All three of these values will be abundantly realized. Moreover, it will be the best investment in education, entertainment or money any poultry minded person could make. Similar educational and commercial values cannot be secured in any other way. A similar opportunity may not occur again for at least a quarter of a century.

Moreover, we should fully appreciate the fact that however valuable the **immediate returns** may be, the **permanent values** will far exceed them. Good ideas are usable forever. The urge for accomplishment may last not only a lifetime, but by example and precept may carry through to succeeding generations.

#### Why it is Worthwhile

In two respects alone the Seventh World's Poultry Congress and Exposition will be abundantly worthwhile. It will be responsible for generating **impetus** and **power** in the poultry industry through the discovery and development of leadership which will carry on indefinitely.

Working together on this Herculean task calls for a large sacrifice of time and money by more than 3,000 persons who are members of our National and State Seventh World's Poultry Congress and Exposition Committees and many others. This united effort calls for loyalty, self-sacrifice and cash. Giving of one's self and substance provides the most effective winnowing process to separate the heavy and light grain of leadership from the chaff. The best test of true leadership is what an individual, an organization or an institution will do and give for a worthy cause.

#### Building Respect for Poultry Industry

Of as great, or perhaps of greater significance, as a result of holding the Seventh World's Poultry Congress and Exposition in the U.S.A. is the **permanent** value to be derived from the building up in the **minds of the people** at large the rightful place of the poultry industry as an **economic, moral** and health force in the nation.

The ability of any branch of agriculture or of industry to conceive, organize, finance and manage such an international event as the Seventh World's Poultry Congress and Exposition will command world-wide recognition. This undertaking attracting a million or more attendance, costing a million or more dollars, involving every branch of the poultry industry, receiving the endorsement and cooperation of the highest state and national government officials and agricultural institutions, and serving as a scientific, educational and commercial magnet to attract the participation of 60 or more nations, will create a wave of admiration and respect for the business and profession that we represent which will be heard around the world.

The new dignified public respect for the poultry industry will be reflected forever in a more equitable recognition of its needs by educational institutions, departments of agriculture and markets, by our state and Federal governments, by legislative bodies and rulers in every civilized country.

No well informed individual can be so callous to his own best interest and that of the Seventh World's Poultry Congress and Exposition that he or


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**New low prices on High Quality Ohio U. S. Approved**

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Large Type W. Leg. Pullets (95% guar.) .... $12-100
Unsexed Large W. Leg. $7-100; N. H. Reds . $8-100
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Day old Leg. Ckls. $2-100; Breeders Bld'tested. Cat. Free. 100% live del. guar. Heavy Breeds sexed on Req.
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1960 of the 2100 started on Red Rose were sold at an average age of 15 weeks. They averaged 3.9 lbs. each. Receipts were $1757.30. Total expenses including cost of chicks, feed, fuel, oil, litter, spray, etc. were $1035.49. Net profit over the 4-month period $721.81! (Name on request.)

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PRICES ON ORDERS of 100 to 5000 for IMMEDIATE DELIVERY, or until April 30

| | Grade A Matings per 100 | Special Matings per 100 | | Grade A Matings per 100 | Special Matings per 100 |
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| White Lehgorns—"Big Type" | $9.00 | $10.00 | Hamp-Rock Cross Pullets 95% true to sex (From U. S. Approved Breeders) | $13.50 | $14.50 |
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| White Leghorn Cockerels—95% true to sex | 3.50 | 4.00 | Rock-Hamp Broiler Cross Both sexes BARRED | 10.00 | .... |
| New Hampshires | 9.50 | 11.00 | Heavy Assorted—No Leghorns, No weaklings | 7.50 | .... |
| R. I. Reds, B. Rocks | 9.50 | 10.50 | | | |
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On lots less than 100, add ½¢ per chick. Remember, deposit of 1¢ per chick must accompany the order. WE PREPAY POSTAGE and GUARANTEE 100% SAFE ARRIVAL. BIG FREE CATALOG AND PRICE LIST NOW READY. SEND FOR YOUR COPY TODAY, AND ASK FOR COUPONS WHICH WILL ENTITLE YOU TO THE TWO VALUABLE EDUCATIONAL POULTRY TEXT BOOKS.

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PUT YOUR PULLETS ON Larro EGG MASH

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Save labor! Save money! Turn your 12-weeks-old pullets into healthy, profitable layers. Complete their development with Larro Egg Mash,

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★ FEED LARRO EGG MASH and grains (both in open hoppers) from the 13th week to maturity. No laborious handfeeding of grains. *Economical,* too! Because the birds tend naturally to eat more grains and less mash. In tests at Larro Research Farm it has taken only about 3 to 4½ lbs. of mash per pullet from the 13th week to laying age.

And last of all—Results! Each pullet is enabled to select the proportion of mash and grains she requires—and attain maturity in a normal manner, at the right time.

This one change—to Larro Egg Mash—is all you need to make. Feed the birds not only to maturity but all the rest of their lives on the ration which years of testing at Larro Research Farm also proved best of 386 tested formulas for profitable egg production.

LARROWE MILLING COMPANY
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*Write for free copy of POULTRY MANAGEMENT —104-page booklet packed with valuable information for poultrymen. Kindly mention Dept. D.*

BUILD Profitable LAYERS


she will not desire to take an active part in its promotion and, if possible, to attend. If there are any who fail to have the knowledge or the vision to appreciate the true value of this event, they will be wholly disillusioned when the doors are thrown open July 28 and the wise and faithful enter to enjoy for 11 days the intellectual feast of fact and fun in seeing our own great Seventh World's Poultry Congress and Exposition, or reading about it in the public press and official proceedings.

### Purchase Your Membership

Right now is the time to buy a 10 dollar **Membership Certificate** Book or a part thereof without waiting for the local Seventh World's Poultry Congress committee's solicitation. This purchase will provide immediately the **cash** to enable both the State Congress Committee and the Seventh World's Poultry Congress and Exposition Committee to build bigger and better.

If there should be any lack of funds, the first effect would be upon the curtailment of the Congress activities which are not **profit producing** or **self sustaining.** These necessarily are **Consumer Education** and the **Youth Programs,** which are expensive to maintain, most far reaching in importance and which can be greatly expanded for the benefit of all if the money is available. If persons who expect to attend or purchase space in the Seventh World's Poultry Congress and Exposition will make their purchase **now,** no curtailment of any of the extensive plans will be necessary.

In any event the purchasers of Membership Certificates or space will receive far more than their money's worth. They also will have a clearer conscience and will rejoice in the honor of having ownership in the Seventh World's Poultry Congress and Exposition and pride in promoting his own business as well as the poultry industry as a whole.

The world is daily taking a picture of the poultry industry of the U.S.A. We are on the spot in the eyes of the world. Each one of us has a particular contribution to make. If we can do no more, let us all at least **smile** and not frown when our Congress participation picture is being taken.

★ ★ ★

## *$25.00 in Cash Prizes*

If you are planning on attending the Seventh World's Poultry Congress in Cleveland, Ohio, this summer, you probably have some pretty definite reasons why you are going. Why not put those reasons in a letter and earn some extra cash? All you have to do is write a letter of not more than 500 words (the shorter, the better) on "Why I am going to attend the Seventh World's Poultry Congress."

The contest is open to all readers of Everybodys Poultry Magazine. A cash prize of $10.00 will be awarded for the best letter; $5.00 for the next best letter, and $2.00 each for the next five best letters.

All entries must be in the hands of the Congress Contest Editor, Everybodys Poultry Magazine, Hanover, Pa., by June 1, 1939.

The prize winning letters will be published in the July issue of Everybodys Poultry Magazine.

★ ★ ★



## *Limberneck*

[Continued from page 7]

pin tail duck. The duck died in four days. The weight of the maggots was less than two grains. Fifteen larger maggots were fed to each of two mallard ducks. These ducks died in 19 and 36 hours respectively.

The fly lays its eggs in the manure pile, garbage can, or dead animals where they hatch. Should the germs be present in this decaying matter, the maggots will carry the toxin or poison to the bird that eats the maggots.

### Common Symptoms

The poultryman first notices that the affected bird shows dullness, appears sleepy, later becomes weak, walks with a stilty gait, rocks backward and forward throwing its weight on its toes. It is unsteady on its feet, it has a halting gait and an inclination not to move. Shortly, the bird makes hesitating steps. It does not eat or drink. The muscles of the throat soon become paralyzed as well as the muscles of the cloaca.

The bird is finally unable to stand, caused by the effects of the toxin taken in by the maggots, suffers great prostration and the bird now lies on its breast, later completely losing the use of all the muscles, lies sprawled on the floor unconscious. If you grasp a bunch of feathers on the back, they pull out as though the bird had been scalded, as in picking birds for market.

### Internal Appearance

The bird is usually in good flesh. It is suddenly sick after eating the decaying dead animal or maggots from dead rat, cat, snake, etc. Maggots may be found in the crop giving suspicion along with definite symptoms of limberneck. The lining of the intestine may show redness. Small red spots (hemorrhages) have been found in some of these cases. On account of paralysis of the cloaca, it may be found packed with droppings.

### Method of Control

Hypodermic injections of antibotulinus serum will save many birds. Give the flock Epsom salts. The dosage of salts depends on the age and size of the birds. Three-fourths to one pound Epsom salts is the dose for 100 adult chickens, turkeys and ducks. Dissolve it in the drinking water, and give no other water for half a day. Younger birds require dosage in accordance to their size and age.

Search should be made for putrefying, dead animals. It may have come from a pile of fresh manure or garbage can where blow flies lay their eggs, so the young that hatch can have suitable food for development into the adult reproduction stage. Make a thorough search of the premises.


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All chicks produced from flocks tested for Pullorum Disease (B.W.D.) by the Official State testing agency of one of the six New England States, with NO REACTORS FOUND
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Only U.S. R.O.P. males of proved, good family lines used in our flocks—backed by 45 years breeding experience, tested 100% B.W.D. free last 19 years on over 90,000 birds. No outside eggs incubated. We KNOW Avery chicks will be good. Breeders chosen for livability, vitality, growth, feathering and laying qualities. Write today for free catalog—prices on Avery Reds, Rock-Reds and All-Pullets.

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95% Sex Accuracy
100% live delivery
30 days livability
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BABY CHICKS
ROCKS • REDS • LEGHORNS
Hatches weekly—Free Illustrated Catalog.
Massanutten Hatchery, Box D, Harrisonburg, Va.

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FOR FUTURE
EGG PROFITS

Egg capacity is bred in your chicks. Feed them correctly *now* to capitalize on their inheritance later.

Don't gamble on your future egg profits. Help your pullets build strong, sturdy bodies with TI-O-GA Feeds to assure profitable egg production when prices are highest.

For those desiring mash and grain feeding, use *Chicatine* . . . or TI-O-GA *Starter and Grower* for all mash feeding. Each is built to produce sturdy, rapid growth. Each contains *Colloidaltine,* that amazing combination of twenty different minerals, including the all-important "trace" minerals in *colloidal* form.

Build bodies now for future egg profits. See your TI-O-GA dealer *today* for information and prices. Mail the coupon for FREE booklets . . . now.

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MASH OR PELLETS
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Please send me FREE Feeding Booklet on:
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CHICKS An original strain—outstanding in superior breed characteristics.
"You must be satisfied!"—that's our policy! PULLORUM CLEAN flock. Hatching eggs all year round. Free catalog describes our years of breeding for early feathering, non-broodiness, size, color, production. Write for catalog and prices.
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THIS YEAR
select
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and make
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*This* is the "profit-bred" strain ... direct from the breeding source. This is the businessman's bird... BRED to produce poultry profits. Balanced Breeding gives Hubbard chicks the vitality to live, grow fast, become fine layers. Officially Pullorum passed.
Try a flock and build your poultry profits. 30-day Full Satisfaction Guarantee. *Sexed day-old pullet and cockerel chicks available.* Rock Cross for broilers. Write today for your Free catalog.

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27 YEARS' EXPERIENCE MAKES 'EM GOOD

| Blood-Tested-Production Bred | 100 to 300 | 300 or more |
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| Wh. Leghorns, Barred Rocks / Wh. Rocks, Red-Rock Cross / Rhode Island Reds | 10¢ ea. | 9½¢ ea. |
| New Hampshires | 11¢ ea. | 10½¢ ea. |
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| Mixed Chicks—No choice in breeds 7¢ ea. | | |

If you place your order 4 weeks in advance of delivery date, deduct ½¢ per chick from above prices. 1¢ deposit per chick must accompany your order. All Shipments Parcel Post Prepaid—100% safe delivery guaranteed. Hatches every week. Will ship C.O.D. on request.

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COTTON MOUNTAIN FARMS
**NEW HAMPSHIRES**
Hardy, lively "Cotton Mountaineers" are bred to stand up under long periods of heavy laying. They grow fast and feather quickly to make profitable broilers. All breeders tested 100% pullorum free. All eggs laid and hatched at Cotton Mountain farm. Get free catalog and price list today.
**COTTON MOUNTAIN FARMS, Inc.**
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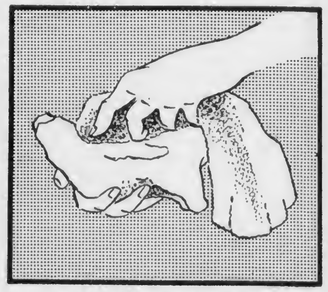
LEO GROUTEN'S LEGHORNS
CHICKS—Hatching Eggs: Plan now for 1939 Leghorn year and Profits. With the profit trend from meat to eggs, GROUTEN'S fine outstanding Leghorn Stock will be more than ever in demand. Hen Breeders. Profitaize eggs. Satisfaction assured. Prices right. Now hatching. Free folder. Write today.
LEO GROUTEN BOX E FARMINGTON, CONN.

# How to Prepare
# *Smoked Poultry*

## *Using the Smoked Salt Brine*

By Stella Costigan

Chickens and turkeys, weighing not over 12 pounds, should be left in the brine for a period of one week.



At the end of the curing period, remove the birds from the brine, rinse, and then wipe them dry.

THE changing age in which we live makes the average American continuously on the lookout for something new. The progressive poultryman in keeping up with the times is eager for new ideas that will sell more of his products—perhaps it is an attractive design on his retail egg cartons or a new way of wrapping and displaying dressed poultry.

A new idea engaging the consideration of many chicken and turkey raisers is that of smoking poultry. This subject is receiving considerable attention as a means of moving more poultry. The poultryman will undoubtedly be interested in learning that he can produce smoked poultry simply and at a low cost.

Smoked poultry (either chickens or turkeys) has that delicious, indescribable tang that says "more, please." Served hot as the main course is a favorite of many, or it may be served as cold cuts or in sandwiches. What a different, delightful, surprise church supper could be served with this delicacy! When picnic time comes, serve cold, smoked roast chicken sandwiches. It will be a sensation!

### Preparation of Brine

The preparation is very simple. The birds are killed and dressed in the usual manner, they are thoroughly washed both inside and out with cold water, and then chilled. A brine of sugar cure smoked salt is prepared, using water that has been sterilized by boiling. When the water is still boiling hot, add 2 pounds of the smoked salt to each gallon of water, stir well so that all of the salt is dissolved. Do not boil the brine.

When cool, strain through cloth and cool to 40 or 45 degrees Fahrenheit. Pour this brine over the birds contained in a stoneware jar. Make certain the brine has filled the inside cavity, and entirely covers the bird. It is wise to weigh the birds down with a heavy plate, so that they will remain covered throughout the period of the cure. During this time, they should be kept at a temperature not exceeding 40 degrees Fahrenheit.

### Length of Time for Curing

Chickens and small turkeys, weighing not more than 12 pounds, should be left in the brine one week. Large turkeys can be left in longer, allowing one additional day for each 3 pounds of weight.

At the end of the curing period, remove the birds from the brine, rinse and wipe dry. They may be used immediately, or they may be wrapped in cellophane or waxed paper, hung in a cold place and used within one or two weeks. The birds are then roasted. Before cooking, the birds should be soaked in cold water for two or more hours, changing the water once. Some have found that parboiling reduces the salt content. However, for young birds, soaking is preferable.

### Method of Roasting

In roasting birds that are cured in this way, it is advisable not to baste the bird with its own juices; a fresh material, such as hot water and butter, may be used. A rack should be placed in the bottom of the roasting pan so that the drippings from the bird will not resalt it.

A very interesting point in curing the birds with a brine prepared with smoked salt is that the shrinkage problem of smokehouse curing is not encountered.

Try this way of preparing poultry, not only for your own use, but as a means of selling birds in a new and novel way. Increase the consumption of poultry meat in this manner. It is not only a delightful surprise to the consumer, but also an added source of revenue to the poultryman.

Editor's Note: If you are interested in the trade name of the smoked salt recommended, write to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

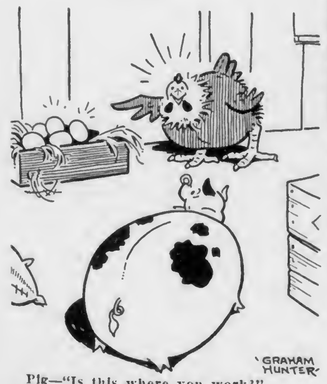
## Rubber Tires on Tractors Speed Up Farm Work

Tractors on rubber tires work faster, more economically and last longer than they do on steel. So declares E. R. Gross of the N. J. College of Agriculture.

"The rubber tire increases the effectiveness of the machine and the operator by making it possible to do more work in less time and with less wear and tear . . . The tractor will travel faster with less slippage and will pull more with less fuel on rubber tires than on steel rims with lugs."

## Quality Egg Work Pays

The fourth year of quality egg improvement work carried on by poultrymen in 21 southwestern Missouri counties, in cooperation with Producers Produce Company, Springfield, Mo., resulted in premiums for poultrymen totaling $7,699. A total of 8,800 cases of eggs were handled under the program during the period June 15 to November 15, and the average premium per case amounted to 87½ cents.




Pig—"Is this where you work?"
Hen—"Yep. Eggs mark the spot!"

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KEEP THEM GROWING

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**START THEM GOING** with Park & Pollard Chick Starter or P & P Starter and Broiler Mash. Both produce husky chick growth, high chick vitality.

**KEEP THEM GROWING** with P & P Growing Feed. Contains all the needed minerals, proteins and vitamins in proper balance. Fills the laying house with vigorous profit-producing pullets. See your Park & Pollard dealer — now!

*Or use Park & Pollard Life Cycle Mash as a starter-grower.*

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**HELM'S *Egg-Line* CHICKS**
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New England's Large Egg Strain
**ENGLISH LEGHORNS**
FOR VIGOR — HARDY NORTHERN CHICKS
Every Chick from 26 to 28 oz. Eggs
Pearson's Nes-to-U
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THIRTEEN GENERATIONS OF OLD HEN BREEDERS back of every chick. Insures high livability in the laying pens. Pullorum tested. EVERY EGG PRODUCED ON OUR OWN FARM. 32 Years Service to New England Farms. Wins State Honor. N. H. Home Egg Contest 1938—our 3120 pullets averaged 211 eggs each, 13% mortality. FREE CATALOG.

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POULTRY COOPS
FEEDING BATTERIES
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*Write for catalog*
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I. D. RUSSELL

# USE KORUM with your CHICKS At My RISK

I want every poultry raiser to use my product Korum in the drinking water when they raise baby chicks this year. Korum acts as a gentle laxative, astringent and conditioner. Makes chicks drink more water.

Every day I receive letters from poultry men and women in all parts of the country praising Korum with statements like this "Korum cut our chick losses 50% and chicks drank 30% more water." Elmer Rusk, Windsor, Mo. "This is my 4th year using Korum and I cannot be without it." J. L. Hassen, Indiana. "This is my 3rd bottle Korum this year and I have not lost a chick." W. R. Johnson, Kentucky.

## MAKE THIS TEST

Separate chicks into 2 groups giving one group 1 tablespoonful of Korum to each gallon drinking water for one or more weeks. If in the group given Korum you have not raised more chicks of larger size, better health, finer appearance with less mortality we will refund your purchase price. You will be amazed at this test.

Korum is inexpensive—a pint ($1 size bottle) treats 500 chicks 10 days. Get Korum today from your local Russell dealer or order direct from this ad.

**I. D. RUSSELL CO.**
2482-A Harrison St. Kansas City, Mo.

## CHICK BUYERS

IT TAKES good incubators to produce good chicks. If you want the BEST chicks, buy from the hatchery with the best incubators. Careful tests show that ROBBINS Incubators DO turn out better chicks—husky fellows that are easier, and more profitable, to raise. *Insist on Robbins hatched chicks.* Write for names of hatcheries near you equipped with Robbins Incubators.

Robbins Incubator Co., Denver, Colo.
Incubators of 8,800 Capacity and up.

Robbins hatched chix are better chix
"PULLING STRONG FOR ROBBINS"



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**FOXSEP**
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Money Back Basis
Gal. $2.50—½ Gal. $1.50—1 Qt. $1.00
Delivered. 1 Gal. Treats Over 1000
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THE FOX CO. Newfield, N. J. Dept. F



**Electric Brooder Heaters**
$2.15 Supplies for home-made automatic equipment. Also fan brooders, incubators, water heaters, burglar alarms, etc. Write for free catalog.
LYON ELECTRIC CO., Dept. EB, San Diego, Calif.


## It Looked Like Fowl Paralysis, But . . .

This bird had all the indications of being afflicted with fowl paralysis, and she was photographed for that purpose. There appeared to be complete loss of the use of her legs, and she had difficulty in getting over to the feeders.

Out of curiosity to see what might happen, a worm capsule was given to the bird. In a few days, she was back on her feet moving around with the rest of the flock without any of the symptoms of paralysis. Worm infestations can become so heavy that they bring about a form of paralysis. When in doubt in cases like this, administer a worm treatment.

## Average Loss of Poults 21 Per Cent in 1938

Approximately 21 per cent of all turkey poults bought and home hatched in the United States as a whole were lost during 1938. Average losses for the different geographical areas were as follows: North Atlantic states, 14 per cent; East North Central states, 21 per cent; West North Central states, 20 per cent; South Atlantic states, 30 per cent; South Central states, 36 per cent; Western states, 20 per cent.

Average mortality of turkey breeding stock for the entire country was approximately 9 per cent for 1938, with average losses in the geographical sections as follows: North Atlantic, 12 per cent; East North Central, 12 per cent; West North Central, 11 per cent; South Atlantic, 15 per cent; South Central, 18 per cent; Western, 5 per cent.

"She complained of gas pains just before she laid the egg!"


**FEED NAVY BRAND Super-Solid Poultry Milk for STRONG, HEALTHY CHICKS**

The ultimate success of your flock depends largely on the start it gets. Navy Brand Super-Solid fed from the first day according to instructions will help to combat disease and establish the best condition for rapid growth.

Milk has a medicinal and food value not found in other foods. And Navy Brand Super-Solid Poultry Milk has many times the strength of ordinary milk. Fed from the first day it flushes the mucous left from the egg from the chick's digestive tract and introduces new living bacteria. These new bacteria actively combat coccidiosis and the various other infectious diseases which threaten baby chicks. In addition, Navy Brand is a really superior food and baby chicks thrive on it.

Start your flock right by feeding Navy Brand Super-Solid. Write for free booklet "Profitable Poultry Raising" and follow its instructions. Order Navy Brand from your dealer or direct from factory.

TITUSVILLE DAIRY PRODUCTS Co.
TITUSVILLE, PENNA.



*"We use STONEMO Granite Grit the year 'round. We couldn't get along without it. We wouldn't even try"*

FRANK GLOECKL, Breeding Manager, feeds STONEMO Granite Grit at HILLVIEW FARMS because he is convinced that it helps contribute to the vigor, stamina and SUPER-LIVABILITY of Hillview birds—birds that in 1938 Egg Laying Contests showed a remarkable high EGG LAYING record of 10,031 eggs for 5 pens. Note his endorsement. For Greater profits feed STONEMO—There is no substitute—insist on STONEMO—the genuine — sold on money-back guarantee.

STONEMO ALL SIZES—CHICK TO TURKEY—IN CLEAN SACKS—FREE FROM WASTE—GUARANTEED
STONE MOUNTAIN GRIT CO. INC.
LITHONIA . . . . . GEORGIA



**ANIMAL-POULTRY YEAST FOAM**
***For Feeding Poultry***

Ask your dealer for Yeast Foam System Feeds. If he is not ready to supply you, try adding Animal-Poultry Yeast Foam to your present feed. A 4-lb. box only $1.00 delivered in U. S. Northwestern Yeast Co., Dept. D, 1750 N. Ashland Ave., Chicago, Ill.



GIVE THEM **GERMOZONE** FOR Common Diarrheas IN CHICKS!



**SPEED UP YOUR WING BANDING**

National's New "Jiffy" Self-Piercing, Self-Sealing Wing Band. Quickly put on in one operation with special applicator. Secure Tamper-Proof Seal. For day-old chicks or grown birds. Life-time identification. Does not require changing. Postpaid Prices—Numbered: 100-$1.00; 300-$2.75; 500-$4.25; 1000-$7.50; 2000-$14.00. Pliers—$.50 each. Send today for Free Samples and No. 37 Catalog. NATIONAL BAND & TAG CO., Dept. 1-639, Newport, Kentucky.




# Laying Tests Summarized

With five months of the 1938-39 laying test year now history, A. E. Guinn's White Leghorn hen at Georgia continues her reign as top individual at all tests, with a number of other birds ready to step in and take over her throne.

### Kauder Leghorns Now on Top

Kauder's pen of Leghorns at Storrs continued its march forward and moved into first place among all standard pens, displacing J. J. Warren's Rhode Island Red pen at Passaic, N. J., which had occupied the number one position since the first of the test year.

It is interesting to note this month that a larger number of breeders than usual have two, three and even four pens among the top 10 in their respective breeds. In White Leghorns, Kauder has two of the top ten; in Rhode Island Reds, Ford's Riverbank Farm has two pens and J. J. Warren has four; in New Hampshires, A. J. Williams has two; in Barred Rocks, Riley Poultry Farm has three and Dryden Poultry Breeding Farms have three; in White Rocks, Oscar W. Holtzapple has two leading pens.

Rhode Island Reds from Ford's Riverbank Farm duplicated their feat of lead-

**High Pen, 13 Birds, Each Breed to March 1—(151 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1565 | 1686.50 | Storrs |
| Thomas Mettler | R. I. R. | 1632 | 1632.20 | Hunt. N.J. |
| A. J. Williams | N. Hamp. | 1523 | 1548.10 | Florida |
| Eben Wood | Rd. Rk. | 1431 | 1413.95 | Maine |
| Oscar W. Holtzapple | Wh.Rk. | 1398 | 1393.80 | Georgia |
| Lonnie Van Sant | Rd. Aust. | 1341 | 1388.75 | Arizona |
| Colonial Pl. Fm. | Wh. Wy. | 1312 | 1358.95 | Texas |
| Ben G. Monroe | Anc. | 1150 | 1173.95 | Texas |
| Colonial Pl. Fm. | Wh. Min. | 1056 | 1083.20 | Georgia |
| Lindstrom Pl. Fm. | Bf. Min. | 1065 | 1056.10 | Missouri |
| Raymond Murphy | Wh. Gt. | 918 | 971.80 | Missouri |
| Harry L. Phillips | Col.P.Rk. | 942 | 968.05 | Missouri |
| Donald C. Chandler | S.L.Wy. | 1003 | 959.20 | Maine |
| S. E. Raymond | Lamona | 863 | 911.05 | Storrs |
| Laclede Hatchery | Bf. Orp. | 836 | 785.85 | Florida |
| Blue Ribbon Farm | R. I. W. | 740 | 750.05 | Texas |
| Eagle Nest H&R | Fm.Bf.Rk. | 725 | 749.50 | Maine |
| Wm. W. Lehman | Bf. Leg. | 735 | 728.70 | Penna. |
| Cedarlaid Pl. Fm. | Br.Leg. | 805 | 681.85 | Florida |
| Hall Bros. Htchy. | Cross | 529 | 545.90 | N.Y. State |

**High Hen Each Breed to March 1—(151 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 146 | 158.80 | Georgia |
| Weber Duck Farm | R. I. R. | 141 | 154.35 | Michigan |
| Dryden Pl. Br. Fm. | Rd. Rk. | 140 | 149.60 | Missouri |
| Colonial Pl. Fm. | N. Hamp. | 141 | 149.20 | Arizona |
| Lindstrom Pl. Fm. | Wh.Wy. | 130 | 141.50 | Georgia |
| E. S. McSweeny | Bl. Aust. | 132 | 139.25 | Arizona |
| Raymond Murphy | Wh. Gt. | 124 | 133.15 | Missouri |
| Oscar W. Holtzapple | Wh.Rk. | 122 | 131.20 | Georgia |
| Colonial Pl. Fm. | Wh. Min. | 113 | 119.20 | Georgia |
| S. E. Raymond | Lamona | 105 | 114.85 | Storrs |
| Erikson's | Anc. Yds. | 118 | 113.10 | Storrs |
| Donald C. Chandler | S.L.Wy. | 112 | 113.00 | Maine |
| Blue Ribbon Farm | R. I. W. | 98 | 105.80 | Texas |
| Eagle Nest H&R | Fm.Bf.Rk. | 99 | 105.40 | Maine |
| Lindstrom Pl. Fm. | Bf.Min. | 99 | 101.95 | Missouri |
| Harry L. Phillips | Col.P.Rk. | 106 | 100.05 | Missouri |
| Iowa Master Breeders | Bf.O. | 95 | 92.15 | Missouri |
| Cedarlaid Pl. Fm. | Br.Leg. | 100 | 91.65 | Florida |
| Hall Bros. Htchy. | Cross | 83 | 89.60 | N.Y. State |
| Missouri Valley H. | Bf.Leg. | 101 | 89.55 | Maine |

**High Pen, 13 Birds, for February in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Ford's Riverbank Fm. | R.I.R. | 335 | 345.25 | Maine |
| Donald L. Crooks | R. I. R. | 309 | 333.85 | Storrs |
| Vandermast Fm. | Wh. Leg. | 310 | 330.85 | Penna. |
| J. A. Hanson | Wh. Leg. | 308 | 329.45 | Arizona |
| Thomas Mettler | R. I. R. | 315 | 325.95 | Hunt. N.J. |
| Foreman Pl. Fm. | Wh. Leg. | 296 | 319.00 | Texas |
| Foreman Pl. Fm. | Wh. Leg. | 311 | 318.20 | N.Y. State |
| J. J. Warren | R. I. R. | 291 | 316.95 | Rhode Isld. |
| E. B. Parmenter | R. I. R. | 297 | 311.10 | Florida |
| Chas. M. Lathrop | Rd. Rk. | 293 | 311.10 | Pass., N.J. |
| Egyptian Hatchery | Rd. Rk. | 307 | 313.85 | Missouri |
| Pine Top Pl. Fms. | N.Hamp. | 284 | 309.30 | Georgia |
| Booth Fms.&Htchy. | Wh.Leg. | 280 | 307.35 | Okla. |
| Ford's Riverbank Fm. | R.I.R. | 287 | 299.35 | Michigan |
| Content Farms | Wh. Leg. | 278 | 293.85 | Cent. N.Y. |
| E. B. Parmenter | R. I. R. | 277 | 292.75 | West. N.Y. |


# 4000 C-Ka-Gene fed Chicks LIVED in this BLOODY COCCIDIOSIS Death House!

**6,000,000 Chicks were fed C-Ka-Gene in 1938**

In one end of a brooder house, untreated birds died like flies from Bloody Coccidiosis. Yet, 4000 C-Ka-Gene fed chicks, in the next pen, LIVED AND GREW!!

Says the hatcheryman, on whose farm this occurred (name on request):

"We walked freely from one pen to the other without cleaning or disinfecting our shoes. I know we carried plenty of coccidiosis germs to those C-Ka-Gene fed chicks."

In 1938, six (6) million chicks, . . . on farms all over the country, . . . were successfully protected with C-Ka-Gene.

Pratts C-Ka-Gene is not a "cure," . . . not a "preventive." It is fed before and while outbreaks are likely. If germs are present on your farm, it permits chicks to get a MILD, HARMLESS case. Often careful laboratory examination is needed to prove the disease occurred. There are few, if any, losses and GOOD GROWTH IS MAINTAINED!!

After this light attack, your birds are IMMUNE—permanently protected from Coccidiosis!

C-Ka-Gene, itself, cannot, — does not, — give birds Coccidiosis. It simply protects them, if they become infected naturally.

C-Ka-Gene is given in the feed, on a flock basis. No instruments. No training is needed. A child can feed it effectively.

Think what Coccidiosis has cost you in the past. You'll see how much C-Ka-Gene is worth to you.

Learn all about this new method. Learn how it SAVES CHICKS! SAVES MONEY! Saves flushing, . . . spraying, . . . litter, . . . and labor.

Get Pratts C-Ka-Gene and full details today!! See your dealer. If he cannot supply, use coupon to order direct.

**If Dealer cannot supply ORDER DIRECT!**

**PRICE LIST**

| | East of Colo. | Colo. and Westward |
|---|---|---|
| 50 Chick Size.... | $ .75 | $ .80 |
| 100 Chick Size.... | 1.25 | 1.35 |
| 250 Chick Size.... | 2.75 | 3.00 |
| 500 Chick Size.... | 5.00 | 5.50 |
| 1000 Chick Size.... | 9.50 | 10.00 |
| 3000 Chick Size.... | 25.00 | 27.00 |

Prices are "delivered" anywhere in U.S.A.

*Tear off and send coupon* **TODAY!!**

Pratt Food Co., Dept. 116 Phila., Pa.
Please send me a.....Chick Size
Package of Pratts C-Ka-Gene and full details.
I enclose $.....(Amount) in full payment.
Name.....
Address.....
Town.....State.....

**Pratts, C-Ka-Gene**
*Saves Flushing·Spraying·Litter·Labor·Chicks·Money*

**WARREN'S MASS CERTIFIED R.I. REDS**

**ALL-AMERICAN HIGH, ALL BREEDS, JANUARY**

J. J. Warren's R. I. Reds remain High Pen, All Breeds, All Standard Contests in U. S., at Passaic County, N. J., Laying Contest, according to latest consolidated Standard Test Reports, as of Jan. 31st: Score, 1317 Eggs, 1340 Points.

**OTHER WARREN PENS CARRY THE BANNER**

(Records, as of Jan. 31st)

**Passaic**, First Hen, ALL Breeds 4 out of 8 High Hens, ALL Breeds
**Western N. Y.**, First Pen, ALL Breeds First Pen Breeder Class, ALL Breeds
**Farmingdale, N. Y.** First and Second Hens, ALL Breeds; and First Red Pen
**Vineland Hen Test**, First Pen, Two-year Class, Lifetime Records, ALL Breeds, First, Second, Third Hens, Same Class.

(Records from Later Reports)

**Rhode Island**, First Pen, ALL Breeds
**Storrs, Conn.** Third and Fourth Red Pens
**Pennsylvania.** First Red Pen

**All Our Rhode Island Red Chicks**

Are of the Same Breeding as Our Contest Winners. Our Rock-Red Cross Chicks also of Same Blood, with Selected R.O.P. Strain Barred Rocks. All eggs set are produced on our own farms. A $500 bond backs our guarantee that every Chick goes out Pullorum-Free. Our output is limited to our own breeders, so reservations must be made at once, for early deliveries. Write Today for Catalog, "Hen of the Year" Folder, and Price List.

**J. J. WARREN**
Massachusetts R.O.P. Breeders' Association
Box 14, North Brookfield, Mass.
**Bonded Against B.W.D.**



**EBENWOOD'S HAMPS & ROX**

4 Contest pens out now: leading all Hamps. and all Bd. Rocks at all U. S. Contests, both Jan. 1 and Feb. 1.

WON highest Hamp. score 1938 in ALL 3 CONTESTS ENTERED

If you want Hamps. better get mine. They've made money for me. Ought to, for you.

Also REDS bred like the Hamps. and the Rocks. Large eggs.

State Tested 100% Pullorum Clean
GOOD STUFF—NO FANCY PRICES
Catalog free. Send for it.

**EBENWOOD FARM**
EBEN WOOD, PROP.
Box 999 West Bridgewater, Mass.



**HEN CHICKS FROM 2 to 9 YEAR OLD BREEDERS — STERN BROS. Longevity LEGHORNS**

**HEN Chicks Pay Best Start Them This Month**

We can make immediate April shipment of heavy, deep-fluffed Leghorn Chicks from breeders 2 to 9 years old. Same quality we supply to leading commercial egg producers of South Jersey. Just what you need to cut layer mortality and boost profit.

SEXING SERVICE—Guaranteed 90% Accurate

Straight New Hampshires and Rock-Hamp Cross

Write for Free Folder and Price List

**STERN BROS., Dept. D, So. Vineland, N. J.**



*High Record*
**WHITE ROCKS**

Winners at both the 1937 and 1938 National Laying Contests and Poultry Shows — Official Records as high as 315 Eggs for 324 Points. Chicks Available—Write for Mating List Today.

**OVERBROOK FARM**
R.15, BOX 625, INDIANAPOLIS, INDIANA


ing all tests during January, by rolling up 345 points from 335 eggs laid during the 28 days in February. This is a little better than 25 eggs per bird for the month.

Even though the month was short, mortality was greater during February at 10 tests than it was the preceding month, and it is beginning to show its effects in egg production and point score. Six tests have lower mortality to March 1 than they did a year ago, while the other 10 tests show greater mortality.

### Egyptian Hatchery Takes Lead at Illinois

Egyptian Hatchery's White Leghorns were heaviest producers during February at the Illinois Test, and shot into the lead among all breeds. Walter Swanson's Leghorns rate second in all breeds and Standard Hatchery's Leghorns hold third highest position in this non-standard, 10-bird-pen test. Walter Swanson's Leghorn hen leads all individual birds with 102 eggs and 109.55 points in the 120 days this far.

### Schrope Holds Pennsylvania Lead

John Schrope's White Leghorns continue in the van of all pens for the year thus far at Pennsylvania Hen Test, with Fuzzydele Farms' White Leghorns second high. J. A. Hanson rates at the top through the 516 days. A Hanson hen also leads individuals with 415 eggs and 448 points to March 1.

**High Pen, 13 Birds, to March 1 in Each Standard Test—(151 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1565 | 1666.50 | Storrs |
| Thomas Mettler | R. I. R. | 1632 | 1632.20 | Hunt. N.J. |
| Nelson's Leg. Br. Fm. | W.L. | 1545 | 1625.20 | Texas |
| J. J. Warren | R. I. R. | 1561 | 1602.05 | Pass., N.J. |
| Guy A. Leader | Wh. Leg. | 1576 | 1600.30 | Penna. |
| Vans R. Otey | R. I. R. | 1550 | 1595.00 | Florida |
| Ford's Riverbank Fm. | R.I.R. | 1627 | 1592.85 | Maine |
| Kauder's Ped. Leg. | Wh.Leg. | 1521 | 1570.60 | Georgia |
| Booth Fms.&Itchy. | Wh.Leg. | 1441 | 1524.10 | Okla. |
| Ford's Riverbank Fm. | R.I.R. | 1498 | 1512.15 | Michigan |
| J. J. Warren | R. I. R. | 1416 | 1504.70 | Rhode Isld. |
| Contest Farms | Wh. Leg. | 1424 | 1446.05 | Cent. N.Y. |
| Colonial Pl. Fm. | N. Hamp. | 1377 | 1394.40 | Arizona |
| Dryden Pl. Br. Fm. | Rd. Rk. | 1339 | 1360.75 | Missouri |
| Foreman Pl. Fm. | Wh. Leg. | 1372 | 1334.45 | N.Y. State |
| J. J. Warren | R. I. R. | 1216 | 1270.75 | West. N.Y. |

**High Hen to March 1 in Each Standard Test—(151 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 146 | 158.80 | Georgia |
| Weber Duck Farm | R. I. R. | 141 | 154.35 | Michigan |
| W. A. Seidel | Wh. Leg. | 141 | 154.15 | Texas |
| E. B. Parmenter | R. I. R. | 140 | 151.75 | Rhode Isld. |
| George A. Pearce | R. I. R. | 141 | 151.65 | Pass., N.J. |
| Dryden Pl. Br. Fm. | Bd. Rk. | 140 | 149.60 | Missouri |
| Kauder's Ped. Leg. | Wh.Leg. | 137 | 149.30 | Storrs |
| Colonial Pl. Fm. | N. Hamp. | 141 | 149.20 | Arizona |
| Thomas Mettler | R. I. R. | 138 | 149.20 | Hunt. N.J. |
| Gulfkist Pl. Fm. | Wh. Leg. | 137 | 148.70 | Florida |
| Guy A. Leader | Wh. Leg. | 138 | 147.00 | Penna. |
| Redbird Farm | R. I. R. | 139 | 145.95 | Maine |
| Sand Springs H. Fm. | W.L. | 133 | 142.70 | Okla. |
| Douglaston Manor Fm. | R.I.R. | 131 | 139.90 | West. N.Y. |
| R. C. E. Wallace | Bd. Rk. | 132 | 133.35 | Cent. N.Y. |
| J. J. Warren | R. I. R. | 122 | 132.65 | N.Y. State |

**Average Production and Mortality to March 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Feb. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 93.03 | 95.53 | 2.08 | 6.93 |
| Arizona | 260 | 88.15 | 88.77 | .76 | 5.76 |
| Georgia | 1,300 | 90.79 | 88.55 | 2.53 | 10.23 |
| Hunt., N. J. | 650 | 86.79 | 87.18 | 3.38 | 8.46 |
| Storrs | 1,300 | 82.62 | 83.74 | 1.53 | 5.69 |
| Pass., N. J. | 1,001 | 83.31 | 83.69 | 1.79 | 5.99 |
| Pennsylvania | 1,131 | 82.00 | 82.80 | 1.41 | 5.30 |
| Florida | 1,248 | 83.47 | 81.95 | 1.92 | 7.53 |
| Oklahoma | 650 | 78.73 | 78.92 | 1.84 | 7.38 |
| Rhode Island | 650 | 71.60 | 77.25 | .02 | 7.38 |
| Michigan | 897 | 75.15 | 75.71 | 2.34 | 8.69 |
| Maine | 1,027 | 70.73 | 69.51 | 4.28 | 11.48 |
| West. N. Y. | 881 | 69.89 | 69.00 | 1.13 | 3.73 |
| Missouri | 780 | 65.48 | 67.45 | 4.74 | 11.28 |
| Cent. N. Y. | 910 | 63.87 | 63.56 | 1.97 | 4.61 |
| N. Y. State | 1,222 | 64.96 | 63.54 | 1.80 | 7.77 |
| All Tests | 14,820 | 78.30 | 78.21 | 2.18 | 7.44 |

**Ten Highest Standard Test Pens in Entire Country to Date—(151 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1565 | 1666.50 | Storrs |
| Thomas Mettler | R. I. R. | 1632 | 1632.20 | Hunt. N.J. |
| Nelson's Leg. Br. Fm. | W.L. | 1545 | 1625.20 | Texas |
| J. J. Warren | R. I. R. | 1561 | 1602.05 | Pass., N.J. |
| Foreman Pl. Fm. | Wh. Leg. | 1542 | 1600.85 | Texas |
| Guy A. Leader | Wh. Leg. | 1576 | 1600.30 | Penna. |
| Vans R. Otey | R. I. R. | 1550 | 1595.00 | Florida |
| Ford's Riverbank Fm. | R.I.R. | 1627 | 1592.85 | Maine |
| Kauder's Ped. Leg. | Wh.Leg. | 1521 | 1570.60 | Georgia |
| Woodlawn Farm | Wh. Leg. | 1473 | 1570.50 | Texas |


**WEGATEPA REDS**

HIGH PEN ALL BREEDS
Paterson, N. J., R. O. P. Progeny Test
Also 3 Highest Individual Birds All Breeds and Highest Family Record All Breeds, Pen Record 4th Month 1346 Eggs, 1337 Points.
Chicks Day-Old and Started. Immediate Delivery Pullets for Laying. May and June Deliveries. Breeding Cockerels. Mass.-U. S. Pullorum Free. Rhode Island Reds. Rock-Red Cross. Lowest Prices for Such Breeding and Quality.

The WEGATEPA STANDARD
1-Longevity
2-Progeny Testing
3-Breeding on Family Basis
PLUS MASSACHUSETTS R.O.P.

**Wegatepa Farms**
Box 13, Harvard, Mass.
WRITE FOR FREE CATALOG AND PRICES



**KAUDER'S PEDIGREED LEGHORNS AND NEW HAMPSHIRES**

**NINE OFFICIAL WORLD RECORDS**
MOST SWEEPING SERIES OF WINS EVER MADE IN HISTORY OF EGG LAYING CONTESTS

SEXED PULLET CHICKS on order

Dominating the Vineland Hen Contest for LONG-LIFE PRODUCTION. More Official World Lifetime averages than all other strains combined. 2-year, 3-year, 4-year old Pens and Hens including 5-year old grand champion.

**REDUCED PRICES ON CHICKS**
Direct Breeding of Vineland Champions

Chicks sired by PROVED MALES from 270-351 Egg Dams; 300-351 Egg Sires. Sons of my amazing Life-Time Vineland layers, or closely related. New Hampshires carry equally strong Progeny Tested Breeding. Send for Catalog.

IRVING KAUDER, Box 101, NEW PALTZ, N. Y.



**LEADER WHITE LEGHORNS**

28 YEARS OF BREEDING

Leader Leghorns are backed by 28 years of breeding for ruggedness, large egg size, high average yield and robust health. Over 11,000 breeding birds on our 77-acre farm. Matings headed by males out of 250-337 egg hens. They'll make money for you, too.

High pen to date at Pennsylvania laying test. Sixth highest pen to date all breeds in entire country. Fourth high Leghorn pen to date in U. S.

*Now booking chick orders for delivery in May*

Catalog Free on Request

**GUY A. LEADER, Rt. 2-E, York, Pa.**



**PARMENTER'S PEDIGREED RED'S** SINCE 1915

World's greatest egg layers by official figures: WON 11 CONTESTS over all breeds, HIGHEST RED PEN 24 contests, during the past 8 years. What other breed ever won TWO contests the SAME YEAR? We have done it FOUR different TIMES.

Get our interesting new Catalogue.

***U.S.R.O.P. Chicks, Eggs, Males***

**E. B. PARMENTER,** 477 King St. Franklin, Mass.



**NEDLAR FARMS** *NEW HAMPSHIRES* BE SURE of PROFITS with CONTEST-WINNING STOCK

Our Pen at Connecticut Contest for 1938 holds the record for the breed with 3434 eggs, 3685 points. High hen had a record of 314 eggs, 345 points, beating old record. Send for Free Catalog. 1938 Prices Now. NEDLAR FARMS, E. N. Larrabee, Box 170, Peterborough, N. H.



***SNELL LEADS at Penna.!***
With HIGH PEN for week ending March 10

Every bird is going full speed ahead! Our pen was highest in all breeds for week ending March 10, is second highest among 52 Leghorn pens for the year through March 10. Superior breeding pays! For higher livability, heavier production, get SNELL White Leghorns. Write today for prices.

**BRYAN J. SNELL, - Windsor, Pa.**




**Ten Highest White Leghorn Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Kauder's Ped. Leghorns | 1565 | 1666.50 | Storrs |
| Nelson's Leg. Br. Farm | 1545 | 1625.20 | Texas |
| Foreman Poultry Farm | 1542 | 1600.85 | Texas |
| Guy A. Leader | 1576 | 1600.30 | Penna. |
| Kauder's Ped. Leghorns | 1521 | 1570.60 | Georgia |
| Woodlawn Farm | 1473 | 1570.50 | Texas |
| Dublin Poultry Farm | 1565 | 1565.70 | Georgia |
| Sand Springs Home Farm | 1491 | 1557.50 | Texas |
| W. A. Seidel | 1474 | 1555.25 | Texas |
| John A. Clear | 1473 | 1551.95 | Hunt. N.J. |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Thomas Mettler | 1632 | 1632.20 | Hunt. N.J. |
| J. J. Warren | 1561 | 1602.05 | Pass. N.J. |
| Vans R. Otey | 1550 | 1595.00 | Florida |
| Ford's Riverbank Farm | 1627 | 1592.85 | Maine |
| D. I. Goodenough | 1470 | 1548.60 | Storrs |
| Ralph W. Anderson | 1455 | 1542.15 | Storrs |
| J. J. Warren | 1441 | 1534.65 | Storrs |
| Ford's Riverbank Farm | 1498 | 1512.15 | Michigan |
| J. J. Warren | 1416 | 1504.70 | Rhode Isld. |
| J. J. Warren | 1458 | 1503.95 | Storrs |

**Ten Highest New Hampshire Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| A. J. Williams | 1523 | 1548.10 | Florida |
| A. J. Williams | 1468 | 1519.25 | Florida |
| Eben Wood | 1464 | 1510.20 | Maine |
| Thomas J. Herrold | 1523 | 1500.00 | Georgia |
| Steelman Poultry Farms | 1423 | 1476.20 | Storrs |
| Hubbard Farms | 1466 | 1473.25 | Storrs |
| W. H. Boulware | 1377 | 1407.05 | Florida |
| Quimby School | 1478 | 1399.45 | Maine |
| Colonial Poultry Farm | 1377 | 1394.40 | Arizona |
| James H. Horne | 1353 | 1375.85 | Maine |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 1431 | 1413.05 | Maine |
| Dryden Pl. Br. Farm | 1381 | 1379.35 | Cent. N.Y. |
| Dryden Pl. Br. Farm | 1339 | 1360.75 | Missouri |
| Fuzzydele Farms | 1297 | 1310.95 | Storrs |
| Riley Poultry Farm | 1305 | 1310.60 | Georgia |
| Riley Poultry Farm | 1344 | 1307.00 | Michigan |
| Dryden Pl. Br. Farm | 1332 | 1296.15 | Penna. |
| Riley Poultry Farm | 1259 | 1291.15 | Okla. |
| Booth Farms | 1377 | 1272.50 | Florida |
| Weber Duck Farm | 1320 | 1271.10 | Maine |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 1398 | 1393.80 | Georgia |
| Homestead Farms | 1303 | 1267.90 | Penna. |
| Kalerok Farm | 1192 | 1243.10 | Rhode Isld. |
| Booth Farms | 1199 | 1230.70 | Missouri |
| Tender Broiler Hatchery | 1232 | 1218.10 | Okla. |
| Albert C. Lawton | 1165 | 1216.30 | Rhode Isld. |
| Riley Poultry Farm | 1257 | 1204.95 | Okla. |
| T. S. Townsley | 1166 | 1195.40 | Georgia |
| Oscar W. Holtzapple | 1184 | 1174.75 | Penna. |
| Earl C. Dunham | 1139 | 1150.70 | Georgia |

### Kauder Has Record Pen at Vineland

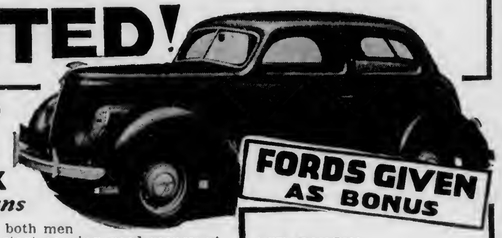
Kauder's Pedigreed Leghorns in the four-year class at Vineland Hen Test lead with 9577 points, J. A. Hanson's Leghorns top the three-year class with 6863 points, and J. J. Warren's Rhode Island Reds dominate the two-year class with 4875 points. A six-year old Kauder Leghorn ranks highest scoring bird at Vineland, with 1201 points to March 1. Three Rhode Island Reds entered by J. J. Warren are highest scoring individuals in the two-year class.

### Parmenter Wins Honors in Progeny Test

E. B. Parmenter's Rhode Island Reds walked off with highest honors during February at the R.O.P. Progeny Test at Paterson, N. J., with highest pen, highest family and highest bird for the month. Wegatepa Farms' Rhode Island Reds hold on to the lead they have established and rate number one to date for the pen, the family and the individual bird.

Correction—The illustration of the pen of White Rocks on page 40 of March Everybodys Poultry Magazine was incorrectly described as the second highest White Rock pen in the U. S. laying tests last year. It was the high White Rock pen at Georgia.


**FOOD DISTRIBUTORS WANTED!**



**MAKE UP TO $45.00 IN A WEEK**
*with my proven plans*

I have fine openings for both men and women who want to start earning good money at once as Local Food Distributors. You positively need no experience. If you will just follow my simple Plan for distributing products to your customers I can offer you a wonderful opportunity to earn up to $45 in a week right at the start, if you devote full time, or up to $3.00 to $5.00 in a day for part time. This is a simple, easily handled, home-owned business in which you are your own boss. You can set your own hours and enjoy cash earnings all year 'round. I need more men and women at once for my steadily expanding business—so ACT NOW!

**HAVE A PERMANENT ROUTE With Big Cash Income**

Food Distributors make big money because you supply people with the things they need daily—household necessities. You merely take care of the needs of your customers in your own locality. You handle all the money and pocket a big share of every dollar you take in. My simple, proven-successful Plan shows you exactly how to start right out and make good money your very first day. In addition to your fine cash profits I offer you a brand-new Ford Tudor Sedan as a bonus. This is not a contest or raffle, but a reward for producing.

**DON'T SEND MONEY--Just Your Name**

You don't need to decide anything now. All I want is your name and address so I can mail you full particulars. Then you can decide for yourself whether you want to start right out making good money at once. But don't delay! Write me immediately before someone else in your locality gets ahead of you. Rush the coupon or a penny postcard TODAY!

**E. J. MILLS, President**
9480 Mommouth Ave., Cincinnati, Ohio

**FORDS GIVEN AS BONUS**

**ACT QUICK!**
**Localities Going Fast**

This announcement of openings will bring many replies. A lot of people who have been out of work or working for poor wages are going to snap up good vacant localities. I wish you could read the marvelous reports I receive! H. D. Morris, of Virginia, a former coal miner, reported average earnings of $212.50 a month for eight months. Mrs. H. H. Hosick reported $41.73 for her very first week. Hans Coordes, of Nebraska, who was penniless when he started, reported average profits of close to $10 a day for six years. These exceptional earnings show YOUR OWN big money making possibilities! **Better send me your name today!**

***Free Offer* COUPON**

E. J. MILLS, President
9480 Monmouth Ave., Cincinnati, Ohio
Kindly mail full particulars telling me how I can be a local Food Distributor, with a splendid chance to make up to $45 in a week at once.

Name .....
Address .....
.....
(Please print or write plainly)



**REDBIRD FARM**

**Largest R.I. Red Breeding Farm in the World**

**1st & 4th RED PENS, 1st PULLET ALL BREEDS, FARMINGDALE, N. Y. TEST. 1938**
Now Running: 1st Hen All Breeds, 3rd Red Pen, Maine; 2nd Red Pen, Farmingdale.

**62,000 BREEDERS** on Our Own Farm. Blood-tested. Mass. State College. Tube Agglutination Method. RHODE ISLAND REDS — ROCK-RED CROSS Barred Broilers—WHITE LEGHORNS—BARRED PLYMOUTH ROCKS—98% Livability Guaranteed First Four Weeks, on All Special. Grade A, and Grade B Chicks. 3-lb. Broilers at 10 Weeks; 50% Production at 6 Months. Write for Free Catalog and Price List Today.

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**HOME R.O.P. STEAD**
S. C. RHODE ISLAND REDS

**NEW OFFICIAL RECORD**

Av. 286 Eggs; 307 Points, per Hen made at Storrs, 1938. Highest 8-year Livability for all Reds at Storrs, 93.2%. 2-year Livability W. N. Y.—100%. Homestead chicks from same breeding that produced these outstanding Egg Contest Champions.

**Baby Chicks--Sexed Chicks**

Let Homestead Chicks bring you "PROVEN" High Livability—High Egg Breeding to help increase your profits. Write for Free Catalog: "Poultry Profit Facts."

**REDUCED** CHICK PRICES start this month. Order now for earliest possible delivery. Send for New Price List.

**Homestead Farm,** Route 1-E **Newtown, Conn.**



**CONTENT FARMS**
**WHITE LEGHORNS**

HIGH PEN to date, all breeds, Central N. Y.
FIVE of first 30 high birds.
100% LIVABILITY, contest pens 1938.

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**Content Farms, Box E, Cambridge, N. Y.**



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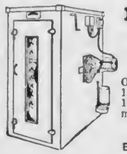
**OAK KNOLL BOOK** TELLING OF OUR
**Ore. R.O.P., Oak Knoll Str. WH. LEGHORNS**
TRAPNESTED SINCE 1923 | DEVELOPED TO PROFITABLE PRODUCTION
**OAK KNOLL POULTRY FARM**
Morris Christensen, Box 74C, McCOY, OREGON





**1,150** Egg Capacity **$125**
**LINCOLN INCUBATORS**
*Are Great Performers*

Other capacities available include: 1,600, 2,000, 2,500, 3,750, 5,350 and 10,000. Send for catalog. Why pay more than our machines cost

**LINCOLN MFG. CO.**
Box E, New Brunswick, New Jersey

**chicks**
**High in quality**

**PLAY SAFE with GLENDALE Chicks**

INCREASED incubator capacity makes it possible for us to take on a few new customers.

WE would be pleased to have you write for our NEW LOW PRICES and folder.

STRAIGHT S. C. R. I. Reds-Barred Rocks—Crosses—as well as 90% pullets or 90% cockerels.

BREEDERS for 20 years.

*TRY*

**GLENDALE**
**CHICKS**

and you will be CONVINCED there are none better!

**GLENDALE POULTRY FARM**
**SOMERSET, MASS.**

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**PEDIGREED LEGHORNS**

On our farm we breed 28,000 layers. We specialize in baby chicks for commercial egg producers, pedigreed chicks for hatcherymen & breeders, and hatching eggs in large or small quantities.

Official contests prove the value of our breed. Send for catalog.

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**SMITH'S ROCK FARM**
MADISON, CONN.

**BARRED ROCKS and NEW HAMPSHIRES**

Production Bred STOCK, CHICKS, EGGS
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**HILLSIDE CHICKS** WILL SHIP C. O. D.

| | 100 | 500 | 1000 |
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| Large Type Sexed Eng. | | | |
| Leg. Pullets—95% G. | $12.00 | $60.00 | $120 |
| B.&W. Rock, R.I. Red Pts. | 8.50 | 42.50 | 85 |
| N. H. Red Pullets | 9.50 | 47.50 | 95 |
| Large Type Wh. Leg. | 6.50 | 32.50 | 65 |
| B.&Wh. Rox. R.I. Reds | 7.00 | 35.00 | 70 |
| N. H. Reds | 8.00 | 40.00 | 80 |

H. Mix $6: L. Mix $5.50: Day Old Leg. Cockerels $2.00-100. Less than 100 add 1c a chick. Blood-Tested Breeders.

T. J. EHRENZELLER, Box E, McAlisterville, Pa.


# These Pennsylvania Producers Did Something About It

## Producing Power and Light with Diesel Engines Has Cut Operating Costs and Solved Important Problem

### By R. B. Alleman

John C. Faust — R. E. Sleppy

IT IS human nature to look for a substitute when the cost of anything goes beyond normal limits. So it was natural for Robert Sleppy, John Faust and many other Pennsylvania poultrymen to become alarmed when local power companies, a few months ago, calmly announced a change in classification which automatically stepped up the rate to prohibitive levels. Power and light costs under this new classification increased as much as 200 per cent. Appeals fell on deaf ears. Meters were changed and the boys temporarily at least, took it on the chin.

But Bob Sleppy and John Faust decided to do something about it. Both needed power and light to operate their business. Two alternatives were open to them. Either tolerate the increased cost or install a Diesel electric plant and generate their own current. It wasn't much of a choice, because when costs go up, profits come down and sometimes disappear entirely. They had to keep costs down. So they decided to try generating their own current.

Diesel electric plants are not new. They have been widely publicized and discussed. Their economic value has been well established. But not many folks have fully appreciated the important savings in operating costs and the added protection against interruptions in current such a plant provides.

I am not condemning power companies. I do not pretend to understand their problem. I am merely relating here the experiences of two men who were literally forced into producing their own current. You may draw your own conclusions.

Let me take you first to the farm and hatchery of R. E. Sleppy, Ephrata, Pennsylvania. Here is a plant which occupies 22 acres of land. Twenty or more buildings are used to maintain his flock of 6,000 birds. Sleppy is a World War Veteran, past commander of the local Legion Post, a Pennsylvania State College graduate in poultry husbandry and a breeder of pedigreed White Leghorns. He uses a lot of electricity.

To get a picture of the load, let's inventory his equipment: 4 large incubators, 3 battery brooders, 9 electrical brooders, 2 water pumps, 1 electric egg grader, 1 electric egg cleaner, 2 radios, 1 electric refrigerator, over 200 lamps and sundry household appliances.

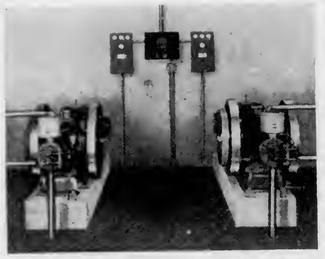
When I knocked on Sleppy's door a few weeks ago, I found him smiling and happy. He ushered me out to a little house back of his garage and there chugging away was a Diesel electric plant. It was simple and compact. From outside the building, there was no more roar or vibration than you would get from the running motor of your own car or truck.

#### Changes Engines Every 10 Days

Inside were two engines mounted on concrete bases. Against the wall was a meter and a synchronizing panel. Only one of the engines was being used. Mr. Sleppy explained that he keeps switching engines every 10 days. This gives him a chance to clean the idle one and have it ready for its turn. Changing from one engine to the other is accomplished without any interruption in current. Your synchronizing panel takes care of this job. Simply start the second engine and the generated current from the two engines is merged and held in uniform levels by the synchronizer; after the second engine is underway, you halt the first one by throwing a switch and everything goes on as before. Mr. Sleppy explained that he has never needed more than the one engine, although he can run them both simultaneously anytime his load gets extremely heavy.

#### 5 and 6-Cent Oil Burned

These engines burn ordinary fuel oil which costs from 5 cents to 6 cents a gallon. What particularly impressed me was the quality of the lights. I was there after dark and did not notice any quivering. As a matter of fact, Sleppy believes his power and light has been much steadier than ever before.



**The Diesel electric plant installed by Sleppy and Faust. The two engines in the foreground may be used simultaneously or alternatively depending on the load. The meters and synchronizing panel may be seen against the wall in the background.**

But what I wanted to learn was how much did it cost to produce this result. I had heard that Diesel electric plants could be operated very cheaply, but I had never seen one in action before and had never talked to an owner. But Sleppy had kept very careful check on the consumption of fuel in relation to the amount of current supplied. He was maintaining a cost of about seven-tenths of a cent per kilowatt. This did not include interest on his investment nor depreciation on his equipment, but normally anticipating a life of 10 to 15 years for the engines, you will at once recognize that he has ample margin in his lower monthly costs to absorb both factors and still be ahead of the game.

#### Old and New Power Rates Compared

Before the new rate became effective, Sleppy paid approximately $8.50 for the first 250 kilowatt hours, beyond this point the rate was fixed at 1½¢ per kilowatt hour. But now the rate is variable depending on the demand. The demand is determined by the highest load carried during any 15-minute period of the month.

To illustrate, let us assume the net demand for Sleppy was 20 K.W. and he used a total of 2,500 kilowatt hours. Each unit of demand costs $1.00 and entitles him to 10 kilowatt hours. So he pays $20.00 immediately for the first 200 kilowatt hours. Now each demand unit gives him 50 kilowatt hours at a fixed rate of 5½ cents. So he pays 5½ cents per K.W.H. for the next 1,000 kilowatt hours at $52.50. He pays 3 cents per K.W.H. for the next thousand or $30.00, and 3 cents per K.W.H., for the 300 remaining hours or $9.00.

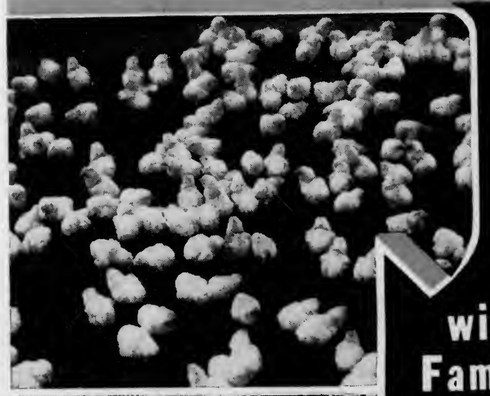
His cost for 2,500 kilowatt hours, under the new rate with a demand of 20 K.W., would be $111.50. Under the old rate the same amount of energy would have cost $42.25 or one-third as much. But with his own Diesel electric plant, he produced the same current for $17.50 (operating cost only). Sleppy explained that based on his previous requirements, he expected to

**Here are the residence and hatchery of R. E. Sleppy, Ephrata, Pa. Mr. Sleppy is a specialty breeder of S. C. White Leghorns and a member of the Pennsylvania R.O.P. Association. All of his birds are state-bloodtested and state-supervised. Power and light for his complete farm operations are now being furnished by his own Diesel electric plant.**

**One of the big two-story laying houses on the Sleppy Farm lighted with current from his Diesel electric engines. Generating his own power has solved a big problem for Sleppy. It has proved both practical and economical.**




**TOMORROW'S *Layers***



**Give Them a HEAD START with this Famous Feed**

*The newest type of Electro-photometer, shown above, is used in the Beacon Laboratory for determining the Vitamin A and Vitamin G (ribo-flavin) potency of various ingredients.*

**Fortified with Vitamin "G"**

Beacon Complete Starting Ration gives your chicks a head start. It gives them a better chance to become the productive layers of tomorrow. This feed has been thoroughly tested on 10 generations of chicks with outstanding results. For more than a year this ration has provided the extra Vitamin G potency of a "flavin" concentrate—a concentrate that is from 3 to 4½ times richer in "flavin" potency than dried skimmilk. It not only provides the growth-aiding "flavin" factor of Vitamin G, but also the "filtrate" factor. This factor is not always found in G concentrates. And what's more, Beacon Complete Starting Ration is rich in iron and copper, elements which help protect chicks from anaemia.

**COMPLETE RATION FOR SIX WEEKS**

This "Starter" gives your chicks a complete ration except for water and a little grit, for the first six weeks. Grain should be added after the sixth week.

And remember this—when you buy Beacon Feeds you get the finest formula of quality ingredients we know how to make. NO FILLERS OR BY-PRODUCTS WITH LOW NUTRITIVE VALUE ARE EVER INCLUDED IN OUR RATIONS.

See your local Beacon dealer for full information about our feeds as well as the Beacon System of feeding and management.

**THE BEACON MILLING CO., INC. · Cayuga, N.Y.**

*We also make complete lines of specialized feeds for ducks, turkeys and game birds.*

LEADERSHIP BY RESEARCH

**The BEACON SYSTEM**

**KRESO DIP No. 1**
STANDARDIZED

*Disinfect Poultry Houses*

Kreso Dip No. 1 is *standardized* —always the same efficiency in killing lice, mites, disease germs, and all insect parasites. Ideal for cleaning. Used for all livestock.

**FREE**—Send for Booklet No. 163 on "Poultry Sanitation" and C-A Worm Capsule Booklet No. 661 on "Worms in Poultry"

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PARKE, DAVIS & CO., DETROIT, MICH.
Drug Stores Sell Parke-Davis Products



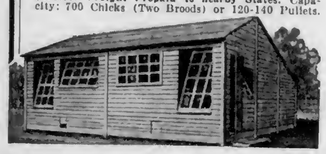
**SAVE Money, Time, Labor**
**BUY — Don't Build**
**POULTRY HOUSES**

We are pioneer manufacturers of Sectional Poultry Houses. Now made of fragrant vermin-repelling red cedar. Tight, warm and sturdy. Easily erected without skilled labor; can be readily taken apart and moved to new site. You save money and get a better building.

**FREE** Bulletin shows complete line of Poultry Houses, also Nests, Roosts, Gates, etc. Write.

**E. C. YOUNG CO.** 1 Depot Street RANDOLPH, MASS.

20 x 20 ft. Combination Brooder and Laying House, $175.00. Freight Prepaid to nearby States. Capacity: 700 Chicks (Two Broods) or 120-140 Pullets.



**RAYDIANT HEAT**

**Newest Brooder Sensation!**

BIG fuel saving! Supplies healthful warmth DIRECT to chicks by radiation—no heat loss by reflection as in canopy type brooders. Chicks always in sight. No stooping or lifting. Burns oil with clean, sootless, smokeless flame automatic temperature control. Fully described in SHEER'S big 50th ANNIVERSARY catalog of poultry equipment. Write for your FREE copy.

**H. M. SHEER CO.,** Box 760 **Quincy, Ill.**



**EXTRA QUALITY CHICKS**

| 100% live del. Cash or C. O. D. | 100 | 500 | 1000 |
|---|---|---|---|
| Large Type W.Leg. Pull., 95% guar. | $13.00 | $65.00 | $130 |
| Large Type W. Leghorns | 7.00 | 35.00 | 70 |
| Bar. Wh.Rox, Wh.Wyand, R.I. Reds | 7.00 | 35.00 | 70 |
| Special New Hampshire Reds | 8.00 | 40.00 | 80 |

H. Mixed $6.50; Day old Legh. Chks. $2-100. All breeders Blood Tested. Hatches Mon. & Thurs. Write for New Free Catalog & actual Photos of our entire Poultry Farm & Hatchery Plant. The McAlisterville Poultry Farm Hatchery, Edgar C. Leister, Owner, Box 45, McAlisterville, Pa.



● BIRD BROS. CHAMPION **Partridge Ply. Rocks** ●
Most beautiful and most profitable variety of American breeds. Won every prize at New York Show, Jan. 1935. Breeding stock, mated flocks, single birds, hatching eggs. Free catalog.
BIRD BROS. Box J MEYERSDALE, PA.


make up the cost of his complete installation in about three years, out of savings in operating costs.

My visit to Mr. Faust who lives but a short distance from the Sleppy place outside of Reamstown, Pennsylvania, and who operates a large modern poultry farm and hatchery was just as pleasant. John Faust was extremely enthusiastic over the results he was obtaining.

### No More Power Interruptions

John mentioned that no longer need storms, hurricanes, snow or ice interfere with his supply of current. Anyone familiar with the sad experiences of hatcherymen in New England during the hurricane of last fall would readily appreciate this point. Because at that time, the current was interrupted for periods of from 4 days to two weeks. Hatching eggs in the incubators worth from 4 to 6 cents each had to be dumped by the hundreds of thousands. Those with stand-by plants for emergencies were few and far between.

John's poultry operation represents a sizeable investment. Like most of his good contemporaries, his business has grown from a small beginning, and through careful management and hard work he has seen his labor bring forth good fruit. But John has had to scrutinize operating costs constantly. The minute they get beyond his control, the margin of possible profit fades rapidly. He told me the cost for operating his Diesel plant would run about $30.00 for the month of March. The same amount of energy from the power company under the new rate would be $135.00. Little wonder that he is pleased with his investment.

## *Through the Editor's Specs*

[Continued from page 3]

of dollars to pay for an equivalent amount of advertising which generous food retailing stores are giving for the mere asking.

◆ ◆ ◆

**Vacuum Packed Dressed Poultry** The poultry business is changing constantly, and there is always some new wrinkle in production or marketing methods.

A new idea, introduced at a convention of market men, was a rubber bag to prevent evaporation and shrinkage of poultry while in storage. The dressed bird is placed in the rubber bag which is then vacuum sealed before going into storage.

Three times a week, Kenneth Kouts of Hebron, Ind., loads his Ford V-8 pickup truck with eggs and poultry for delivery to customers in Hammond. His laying flock consists of 1,000 White Leghorns, and his broiler flock amounts to 900 birds. Broiler sales average about 100 every week.


**BRED FOR EXTRA EGGS**
KERR'S LIVELY CHICKS

KERR BIRDS are the aristocrats of the roost. For years, blood lines have been carefully checked on the Kerr Farm to develop high "egg-ability." Blood-testing, careful culling, and a heritage of contest winnings give Kerr's Lively Chicks their vitality and pep . . . give you more eggs, greater profits. 31 years' honest dealing.

*Write for Free Chick Book and Advance Order Discount Offer*

**KERR CHICKERIES**
15 RAILROAD AVE., FRENCHTOWN, N. J.
BRANCH OFFICES: New Jersey—Jamesburg, Paterson, Woodstown; New York—Binghamton, Middletown, Schenectady, East Syracuse, Kingston; Pennsylvania—Lancaster, Canmore; Massachusetts—West Springfield; Connecticut—Danbury, Norwich; Delaware—Selbyville. (Address Dept. 15.)



**JASPER LEGHORNS AND NEW HAMPSHIRES**

GRANT JASPER, OWNER

1939 Folder (and price list) tells why Jasper chicks are profitable. Backed by generations of husky Pullorum Clean breeders they are bred for early maturity, high livability, good egg production and large egg size. Increased profits can be made with Jasper chicks. Send today for our new folder.

JASPER POULTRY FARMS
BOX 5. HUDSON, N. H.



**GOVE'S *Barred Rocks***

Layers, Meat, or Both? You get a combination in Gove's Barred Rocks that will be suitable for any purpose. It's in the breeding. Gove's Rocks were bred for fast, even growth as well as large, quantity egg production. Get our free catalog that explains our breeding, livability, vitality, health, state testing and production.

Every day you delay puts off your profits another day, so write today!

**EXTRA** EGGS MEAT HEALTH LIFE

GEORGE C. GOVE BOX E RAYMOND, N. H.



**CLEMENTS BROS. *Maine-Bred* CHICKS**
4 FARMS Cooperating FOR YOUR BENEFIT

Clements Reds are peppy. Pullorum free and profitable. Maine-bred to "stand the gaff" and Maine Pullorum clean. They are unusual in quality and results. Bred to LAY—sure to PAY. Catalog tells about "cooperative savings" and about our White Rocks, Barred Rocks, also Sex-Linked Baby Pullets or Cockerels (Reds and Crossbreds) 98% sex guaranteed. Write today.

CLEMENTS BROS. FARMS
BOX 18 WINTERPORT, MAINE



**QUALITY CHICKS**

| | 100 |
|---|---|
| White Leghorns | $6.50 |
| AA Grade Wh. Leghorns | 7.75 |
| New Hamps. & R. I. Reds | 7.25 |
| Barred, Wh. & Buff Rocks, Wh. Wyan. | 7.25 |
| Heavy Mixed | 6.50 |
| AA Legh. Pullets $13-100; Cockerels $2.50 | |

Plum Creek Poultry Farm & Hatchery, Sunbury, Pa.


Class Ads on Page 34




Photo. Courtesy U.S. Dep't Agr.

Hen suffering from infectious laryngotracheitis finds breathing difficult

The Only Original Approved Vaccine

***Vineland* INFECTIOUS LARYNGOTRACHEITIS VACCINE**

EGG-PROPAGATED VACCINES FROM THE LABORATORIES OF THE LEADER

Our Egg-Propagated Vaccines are grown in a sterile medium. Contamination is impossible, and these vaccines are absolutely free from any of the transmissible diseases of poultry.

For prevention and in case of outbreaks, use
**VINELAND LARYNGOTRACHEITIS VACCINE**
100 Dose Bottle, $2.50 500 Dose Bottle, $10.00

For the prevention of Fowl Pox outbreaks, use
**VINELAND FOWL POX VACCINE** (Chicken Strain)
100 Dose Bottle, 75¢ 500 Dose Bottle, $3.00

Free Booklet, just issued, gives valuable information on prevention of poultry diseases.

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Box 70-C Vineland, N. J.



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CALCITE CRYSTALS DOES THE WORK OF BOTH GRIT AND SHELLS

THIS double action grit begins saving money for you the minute you start to use it. It grinds the feed *and* furnishes lime for bones and eggshells—takes the place of *both* shells and grit. Two jobs for the price of one.

Be Scotch! Use Calcite Crystals and save money. Write for free samples and literature. Limestone Products Corp. of America.

Dept. 714, Newton, N. J.
Lime Crest
**CALCITE CRYSTALS**
THE 2-IN-1 POULTRY GRIT



*Ask for* **OK POULTRY LITTER**
It's *Emblem-Protected*

Available in bales, also in large burlap bags. Write for FREE sample and valuable booklet.

THE O. K. COMPANY
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**BIG PROFIT POSSIBILITIES**
IN THE BROILER BUSINESS

$33 Starts this Big Money Making 100 a Week Broiler Plant to You. Operates with Oil, Gas, Electricity. Equipped with necessary Humidifier. Permanent Incomes proved by many years successful operation. Big Cities—Country Towns. Fine Battery Brolers always in demand. Many make a big success.

FREE CATALOG Gives prices. Easy Monthly Terms. Complete Line of Brooders and Poultry Supplies at Low Prices.

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Write Box 758, QUINCY, ILL.



TRADE MARK
**HOMASOTE**
Insulating and Sheathing Board
Protects against cold, wind and dampness. FREE PLANS — Laying Houses, Brooder Houses, Special Houses for Battery Plants. also Samples of Homasote. Write today.
HOMASOTE COMPANY
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# News Notes

## CALENDAR OF EVENTS

Apr. 26-27, Vermont Chick and Egg Show, State School of Agriculture, Randolph Center, Vt. Mrs. R. B. McIntosh, Chairman, South Royalton, Vt.

Apr. 27-29, Rhode Island Baby Chick Show, Governor Dyer Market Bldg., Providence, R. I. Write Wm. H. Cotter, Jr., 310 State House, Providence, R. I., for further details.

May 4-6, Purdue Annual Baby Chick and Egg Show, Purdue University, Lafayette, Ind. Max Myers, Asst. Mgr., Purdue Poultry Bldg., W. Lafayette, Ind.

July 25-Aug. 7, Seventh World's Poultry Congress and Exposition, (July 25-27, Washington, D. C.; July 28-Aug. 7, Cleveland, Ohio.)

July 26, Dedication of new poultry building at University of Maryland, College Park, Md.

Aug. 31-Sept. 1, Third Annual Business Management Conference for Egg and Poultry Marketing Cooperatives of the Northeast, Pennsylvania State College, State College, Pa.

Sept. 17-23, 23rd Annual Eastern States Exposition, Springfield, Mass. C. A. Nash, General Manager.

Dec. 2-4, The New Haven Show, New Haven, Conn. Erle Dahlberg, Sec'y., 450 State St., New Haven, Conn.

Jan. 3-7, 1940, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N.Y.

Jan. 10-14, 1940, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

**Plan for Record Chick Show** — The Rhode Island Baby Chick Show, to be held in Governor Dyer Market Building, Providence, R. I., April 27 through 29, is expected to be the largest baby chick show ever held in southern New England. More than 4,000 chicks will be entered.

## CONDITIONS

**The egg-feed ratio,** compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| February 23 | 10.5 | 8.8 | 8.5 |
| March 2 | 10.7 | 9.8 | 9.0 |
| March 9 | 10.75 | 8.9 | 8.5 |
| March 16 | 10.2 | 8.9 | 8.3 |

**Estimate 27 Per Cent More Turkeys**—Reports from more than 4,000 turkey producers indicate that about 27 per cent more turkey poults will be bought or hatched at home this year than in 1938, according to the U. S. Bureau of Agricultural Economics. Fifteen per cent more turkey hens were on hand February 1 this year than the same day a year ago.

**Chick Production Hits New High**—Approximately 30 per cent more chicks were hatched in February this year than during the same month a year ago, setting a new high record for the month. About 18 per cent more eggs were set in February than in the same month last year. Chicks booked for March 1 delivery or later were 24 per cent greater this year than last year.

## LEGISLATION

Elmer Wene

**Elmer H. Wene,** former congressman from Vineland, N. J., has been appointed chairman of the national legislation committee of Northeastern Poultry Producers Council. Besides investigating several legislation problems, Wene is devoting time to such problems as research on waste poultry products, imports of poultry products, poultry health.

**Eastern Poultry Legislation in the Making**—Following is the poultry legislation calendar in various northeastern states, reported by Howard Whelan, Boston, Mass., chairman of state legislation com-


**"Black Leaf 40" Kills LICE and FEATHER MITES**

● "Black Leaf 40" with our "Cap Brush" Roost Applicator enables you to cut your delousing costs three-fourths. "Black Leaf 40" has plenty of reserve strength not only to kill adult lice but to kill young lice, as they hatch.

For individual bird treatment apply a drop two inches below the vent and on the back of the neck to kill body and head lice.

"Black Leaf 40" is sold by dealers everywhere. Insist on original factory sealed packages to insure full strength.

Tobacco By-Products & Chemical Corp. Incorporated Louisville, Kentucky

LOOK FOR THE LEAF ON THE PACKAGE

CAP-BRUSH ROOST APPLICATOR CUTS COSTS 3/4. 8719

TAP ALONG THE ROOSTS...THEN SMEAR

K. R. PHILLIPS Owner

**You'll Make Money** *with FAIRPORT LEGHORNS*

Foundation stock barked by 17 years breeding improvement — AAA chicks from 2, 3, 4 year old hens and pedigreed cockerels. They're profit makers.

**Fairport NEW HAMPSHIRES** highly developed as money makers for our customers.

**Fairport CROSS BREEDS**—Famous Red-Rock and Rock Red crosses. Straight run or 95% accuracy guaranteed pullet or cockerel chicks.

**Fairport HEAVY BREEDS**—Your choice of the popular heavy breeds. All flocks bred for best qualities and production ability.

personally selects, mates, bloodtests all breeding flocks and guarantees you satisfaction with Fairport chicks.

FREE CATALOG describes our matings, then breeding, backed by our 28 years experience breeding and hatching profit making chicks. Sexed chicks if wanted. Write for catalog and low 1939 prices.

FAIRPORT HATCHERY & POULTRY FARM
BOX 80. FAIRPORT, N. Y.



**CHRISTIE'S *New Hampshires* Burst Forth Full of SPIZZERINKTUM**

BIG EGGS — HEAVY PRODUCTION—LOW MORTALITY — HIGH PROFITS

35,000 PULLORUM-PASSED BREEDERS, No Reactors

Christie's SPIZZERINKTUM Strain Has Covered America and Crossed the Seas with Vim, Vigor, and Vitality for Poultry, and Prosperity for Poultrymen.

CHRIS-CROSS BARRED HYBRIDS

Bred from SPIZZERINKTUM New Hampshires and Christie's Own Strain Barred Rocks Are the Fancy-Grade Sensation of the Century, wherever Poultry is Bred for Broiler and Roaster Perfection.

Chicks and Hatching Eggs, Ready for You. Send for Catalog and Price List Today, and Rush Your Order, for Early Delivery.

ANDREW CHRISTIE, Box 10, Kingston, N. H.



**ARNDT BATTERIES**
COMPLETE NEW LINE

ARNDT, the pioneer, has designed a complete new line of SUCTION-AL Batteries—simpler, more flexible and more convenient to operate. Built up like a bookcase—Brooding — Growing — Developing — Laying. Adaptable to all types of poultry houses, high or low. New line makes all others obsolete. LOWER PRICES . . . FREE — Illustrated Folder points sure way to Security and Independence. Write for it.

M. H. Arndt Mfg. Co., Dept. 11, Trenton, N. J.



**CHETEROSIS** QUALITY SEXED **CHICKS**

90% Accuracy guar. 6000 Pullorum clean Breeders on our own 110 acre farm. Reds, Rocks, Crosses, and Sex-Linked. Your postal to us will pay you big dividends.

CHESTER PILCH, Box 55, Feeding Hills, Mass.

# SEXED CHICKS

**New Hampshires — White Leghorns**

*95% Accuracy*

Save time, labor, money this year with RED LION Sexed Chicks. You'll need less feed, less room, can eliminate crowding. You'll have more fancy broilers to sell, or more first class pullets to house with RED LION Sexed New Hampshires and White Leghorns.

**Highest Pen at Pennsylvania**

Our New Hampshire pen took highest honors in the Pennsylvania Test in 1936-37. Chicks of this high quality breeding are passed on to you this year. Bred for superior broilers, early maturing, year-round layers. They have livability plus!

**For Higher Flock Averages**

RED LION White Leghorns are built to make a higher flock average, to stand up under extra heavy duty for a longer time. Can't be beat for commercial egg producers.

**STATE BLOODTESTED**

Every RED LION breeder has been officially bloodtested for B. W. D. under supervision of the Pennsylvania Bureau of Animal Industry. Absolute freedom from disease.

**A Quality Breeding Farm**

We hatch only those eggs produced by our own breeders here at home, and set only those eggs weighing at least 24 ounces per dozen. By means of year-round culling, rigid selection, trapnesting and pedigree breeding, we have developed breeders capable of producing chicks that will make you outstanding records.

Let RED LION Sexed New Hampshires or White Leghorns assure you of greater success and larger profits this year. They are bred for business. Write today for catalog and prices.

**RED LION HATCHERY**
R. H. Barteaux, Prop.
RED LION, PENNA.



# TAYLOR'S Leghorns

**TRAPNESTED—PEDIGREED**

On our farm we have 5,500 breeding females all bloodtested under State supervision. All males from pedigreed dams with pullet year records from 225 to 302 eggs. Sires' dams 240 eggs or better.

**WE BUY NO EGGS**

Every chick comes from our own flock bred, fed and raised on our farm. Literature gives details. Write for illustrated free catalog. Taylor's Leghorns are superior. Order early to get dates wanted in 1939.

**TAYLOR BROS. Box 582-B Newtown, Penna.**



*Best of all* **WAFER THERMOSTATS**

Nation's largest manufacturer of Thermostats for poultry equipment brings you HIGHER QUALITY — LOWER PRICES GREATER VALUE FOR YOUR MONEY

TRY THE BEACON **"HEAVY DUTY"** Guaranteed WAFER

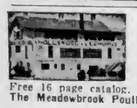
Beacon Steel has spent years in research to develop the world's finest Wafer Thermostats. They're stronger and more sensitive.

**Also a complete line of poultry equipment.**

Ask your Dealer for BEACON BESTOF-ALL WAFERS

**BEACON STEEL PRODUCTS CO.**
WESTMINSTER, MARYLAND





**BETTER BRED PULLETS**

Hollywood & Barron S. C. W. Leghorns. Blood-tested. Day old Pullets $13.00-100. Four weeks old $30.00-100. Day old cockerels $3.00-100. Mammoth Pekin Ducklings $15.00-100. Send for Free 16 page catalog.

**The Meadowbrook Poultry Farm, R4, Richfield, Penna.**


mittee of Northeastern Poultry Producers Council:

Vermont: Bill entered in legislature for establishment of a poultry department at State College of Agriculture.

Massachusetts: Bill entered in legislature amending Feed Control law so that testing of vitamin carriers will be included. Appropriation asked to establish position of poultry pathologist to spend a certain amount of time in the field on poultry diseases.

New York: Expected to ask for appropriation by the State College of Agriculture for new poultry buildings at Ithaca. Expected to ask for appropriation for participation of New York State at the World's Poultry Congress. A bill is being drafted to license dealers in farm products, including poultry and egg dealers.

Maryland: Proposal to increase testing work to reduce pullorum infection. Bill entered in legislature to regulate sale of chicks. Appropriation of $10,000 asked for to be used in enforcing present Fresh Egg law.

**Law Restricts Use of Second Hand Cases**—Second hand egg cases containing eggs packed by others than the original packers must be cleaned of all previous labels and marks, according to a law recently passed in the New York State legislature and signed by Governor H. H. Lehman.

**New Ohio Egg Bill Proposed**—A new bill has been introduced in the Ohio legislature, featuring the setting up of a standard for fresh eggs in Ohio, as well as repealing the present cold storage inspection law now being enforced. The proposed bill exempts producers selling eggs on their own farms of their own production direct to consumers from the provisions of the act.

**Indiana Egg Bill Passed**—A new Indiana fresh egg law creating a state board of five members to make egg standards and grades and issue permits to jobbers and retailers, passed the state House of Representatives the first week in March.

**New Excise Tax Bill on Eggs**—Representative Clarence Lea of California has recently introduced in the U. S. House of Representatives a new bill providing an excise tax on egg products amounting to 20 cents a pound for dried egg yolk, 25 cents a pound for dried whole eggs, 55 cents a pound for dried egg albumen, and 5 cents a pound for frozen egg yolk.

## EGG CONSUMPTION

**Window Displays Help Sell Eggs** — In connection with the Maryland State Poultry Products Show in Baltimore, Jan. 10 to 13, 40 some grocery store windows were decorated by independent merchants and chain store grocers participating in a window display contest. To one store of American Stores Company 27 crates of eggs were sent for dressing the window. The display was so effective that the total amount of eggs were sold in the store and sales up to a week after the contest started increased nearly 50 per cent. Officials of the Great Atlantic and Pacific Tea Company made a survey of egg sales in their stores during the period of the display and found that sales showed an appreciable increase in every store and the displays aroused many favorable comments.

## ORGANIZATIONS

**Maryland's first egg auction**, the Westminster Cooperative Poultry Products Auction, held its first sale on March 20, sold 77 cases of eggs to buyers from Baltimore, Philadelphia and New York. The auction will serve producers in Maryland as well as from southern Pennsylvania. Frank Williar is president, while Sam Buffenmyer is manager.


**FIGHT COLDS and Brooder Pneumonia!**

Why take chances with your chicks? At the first sign of colds or brooder pneumonia, spray your chicks with Dr. Salsbury's Cam-Pho-Sal. Its soothing, medicated vapors bring quick relief. Get a bottle today.

FREE BOOK! 36-page "First Aid to Poultry." See your local Dr. Salsbury dealer or write us.

Dr. Salsbury's Laboratories
Charles City, Iowa

**Dr. SALSBURY'S CAM-PHO-SAL**

**MATTHEW'S LEGHORNS**

**PRODUCTION BRED**

MATTHEW'S LEGHORNS are bred for big body size, big egg size, heavy production. Headed by males out of 240-331 egg hens.

Matthew's Farm is a Breeding farm, all chicks are hatched from eggs produced on our own farm.

**Contests Prove Quality**

Our official 271.8 eggs per bird for 51 weeks (Penna. laying contest) indicates real profit making quality.

You can make money with MATTHEW'S BRED CHICKS. Write for price list.

CHICKS

**Matthew's Leghorn Farm**
Route 3, York, Penna.

**SHENANDOAH WOOD BURNING BROODERS**

. . . Ideal for all-weather brooding but especially suited for use during warm spring and summer months because of the unique temperature control that prevents overheating. Used by many large turkey growers. Shenandoah Brooders are safe, economical, burn almost any wood. Even temperature automatically maintained. Exclusive Pilot draft keeps fire under positive control. Orders can now be filled promptly. If your plant is wired, get facts about the Shenandoah ELECTRIC BROODERS—which cuts costs as much as 33%. Write now for prices, literature, etc., stating which type preferred.

**SHENANDOAH EQUIPMENT CORP.**
39 EDOM ROAD, HARRISONBURG, VA.



*SLEPPY'S R.O.P.* **WHITE LEGHORNS**

Consistent Contest and R.O.P. Records. Average production in 1937, 232.6 eggs. Average egg weight 25.3 oz. Trapnested 9 years. Use only 240-312 egg males. Sexed Chicks, 4-6-8 Week Pullets, Breeding Males and Hatching Eggs. Hatches all year. Booking orders now for May and June delivery. Write for prices.

**Sleppy Poultry Farm, Box E, Ephrata, Pa.**



**COLONIAL CHICKS**

Straight run, sexed, hybrids. World's largest hatcheries. Lowest prices. Cockerelsjow as 3c. Big catalog, illustrated with 115 pictures FREE. Hatches daily. Quick shipments.

COLONIAL POULTRY FARMS
Pleasant Hill, Mo., or Cullman, Ala.

$5.40 100 UP



**BECK'S U.S. APPROVED CHIX**

Ducks & Poults. Pullorum Tested Str. breeds & Cross $8 up. Also sexed & Started Chix. Warner Elec. Brooder.

Beck's U.S. Approved Htchry. Dept. E, Mt. Airy, Md.




**Hubbard Farms** upheld its record of consistent winning at chick shows by winning the Allied Mills trophy for the two boxes of chicks with the highest score in the commercial class at the Lancaster County (Pa.) Baby Chick Show, March 8. The scores were 98⅞ and 99¼ on New Hampshires and crossbreds.

Mrs. Gertrude Weicksel won the Whitmoyer Laboratories cup for the two highest scoring entries in the breeder class.

In the business meeting of the Lancaster County Poultry Association, Roy B. Herr, Levi Brubaker, and Lester Hubbard were elected as directors. It was revealed that Lancaster County had raised $1,529 of its $2,400 quota in the World's Poultry Congress membership drive.

## RESEARCH LAB

**Advisors Chosen for Regional Laboratory**—The advisory committee to guide the work of the new federal regional poultry research laboratory at East Lansing, Mich., consists of three pathologists, Dr. E. J. Jungherr, Storrs, Conn., Dr. A. J. Durant, Columbia, Mo., and Dr. C. D. Lee, Ames, Ia.; three geneticists, Dr. F. B. Hutt, Ithaca, N. Y.; Dr. F. A. Hays, Amherst, Mass., and Dr. R. G. Jaap, Stillwater, Okla.; and three poultry management experts, Dr. L. E. Card, Urbana, Ill., Prof. J. G. Halpin, Madison, Wis., and Prof. H. C. Knandel, State College, Pa.

## THE TRADE

W. R. Cassell

**Cassell Advanced**—Genial W. R. Cassell, who has headed the special markets division since White Laboratories, Inc., established it nine years ago, has been appointed vice-president of the firm in charge of sales to special markets. White Laboratories are known to poultry raisers for Clo-Trate, a fortified cod liver oil which is used very extensively in poultry and livestock feeds.

**The Great Atlantic and Pacific Tea Company's** division comprising Virginia, Maryland, Delaware and the metropolitan areas of Philadelphia and Washington, D. C., sold approximately 50,000 chickens in the week following Washington's Birthday through extensive advertising. Fryers and broilers were emphasized.

**A solid trainload of Purina Chick Startena**—40 carloads and 1,600,000 pounds—said to be the largest of its kind on record, went into a limited eastern area recently. Atlantic States Sales Manager C. E. Dutrow says that this is in addition to the regular Startena business, which has been very good.

**The International Harvester Company's** current modernization program will amount to $12,000,000. This includes one million dollars for the construction of a new motor truck engine plant in Indianapolis and three million dollars for the modernization of its tractor works in Chicago.

**Acme Bridgeport Company**, manufacturers of Acme Laying Cages, have appointed Reiter Brothers, Glenmoore, Pa., as exclusive dealers for eastern Pennsylvania. The Acme Poultry Service, Randallstown, Md., has been appointed exclusive dealer for the state of Maryland.

**The Goodyear Tire and Rubber Company's** 1939 essay contest, open to boys studying vocational agriculture in high schools, will be on the subject, "Farming of Tomorrow on Rubber." The closing date


**PIONEERS WITH**

# SEXED CHICKS

WE were the first Eastern Hatchery to sell sexed chicks and are still the recognized leaders in the field. All our chicks are sexed under the personal supervision of Freda Parks Woodruff, world famous sexer. Don't be satisfied with anything but the best, the cost is no more.

FREDA PARKS WOODRUFF
World Famous Sexer

**95% ACCURATE OR YOUR MONEY BACK!** Our sexed chicks are guaranteed 95% accurate. We back up this statement with a written money back guarantee and you can rest assured that you will be fully satisfied with sexed chicks purchased from us. Sexed pullets for layers, sexed males for meat purposes.

**HATCHES EVERY WEEK IN THE YEAR**

Our hatchery is always operating and we can fill your orders, no matter how small or how large, at any time of the year. We make a specialty of serving broiler producers who require weekly shipments. Some of the largest broiler producers in the country use Susquehanna Strain chicks.

**Healthy Breeders Insure Healthy Livable Chicks**

Every breeding bird in our 1939 matings has been blood tested by the long tube agglutination test for B.W.D. and Fowl Typhoid. In addition every bird has also been carefully inspected and banded by an Agricultural College Graduate for breed characteristics, health, and laying ability.

**BABY CHICKS**

*All Popular Breeds*

White LEGHORNS—R. I. REDS
NEW HAMPSHIRES
White ROCKS — Barred ROCKS
Bronze & Wh. Holland TURKEYS
NEW HAMPSHIRE WHITES
REDI-ROCKS — CORNO-REDS

**Get Our FREE Catalog**

Breeders of SUSQUEHANNA STRAIN invite you to write for your FREE copy of our latest catalog which gives full details concerning this leading money making strain of birds. It is profusely illustrated and gives many helpful hints to poultrymen. We will also include a copy of our newly revised booklet "Chick Sexing."

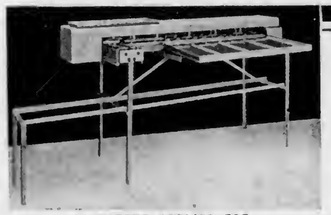
**Special Discount Offer**

As a special inducement to have you join our list of satisfied customers, we will send you along with our free catalog, a free PROFIT SHARING CERTIFICATE worth up to $500.00 which may be used as part payment on your chick order. Send a post card to the address below, today, before our special offer is withdrawn.

**SUSQUEHANNA BREEDERS HATCHERY**

BOX E, MONTROSE, PENNA.





PATENT APPLIED FOR

**"EGOMATIC" CANDLER & GRADER**

Built by practical poultryman after eight years of research. Completely automatic. Noiseless. Operation simple, easy and foolproof. Grades up to 4300 per hour. No breakage. Last word in accuracy and efficiency. Life-time steel construction.

Liberal guarantee. Write for free descriptive literature.

Visit our Booth at the WORLD'S POULTRY CONGRESS July 28th to Aug. 7th CLEVELAND, OHIO

**OTTO NIEDERER SONS, Dept. E Titusville, N. J.**



# WANTED DRESSED POULTRY

TO FEED MILLIONS OF PEOPLE VISITING NEW YORK WORLD'S FAIR

—Also to feed the 20 million people residing in the Greater New York metropolitan area . . . We are only 15 minutes by truck from the World's Fair Grounds. Butchers, Buyers for Restaurants, Cafes and Hotels, also for New York City Hospitals, where only the best is served, come to us for prime fresh dressed poultry.

We have constant outlet for:
BROILERS — SOFT ROASTERS — TURKEYS
BATTERY BROILERS — CAPONS — DUCKS

Write for Free Folder, current market quotations and Shipping Tags

**GEORGE KORN & SONS**
BONDED COMMISSION MERCHANTS
639-641-643 Atlantic Ave.
FORT GREENE MARKET, BROOKLYN, N.Y.



**40,000 CHICKS WEEKLY**

Purebred, Blood-Tested Barred & White Rocks, White Wyandottes, White and Brown Leghorns, Black & White Giants, New Hampshire Red-Rock Cross, and Anconas. Catalog Free.

L. R. WALCK HATCHERIES, Box E, Greencastle, Pa.

**GET THE EXTRA VALUE**

in AYLOR Shipping Coops FOR CHICKENS, BROILERS, TURKEYS, ETC.

**NEW FOLDING COOP**

saves one-third the freight cost. You can store 100 coops in the space formerly required by 20. Easy to set up or to fold. Made to stand hard knocks.

**A COOP FOR EVERY NEED**

Aylor coops are made for every poultry need. We also manufacture a complete line of starting, growing and feeding batteries. Write today for our new free catalog.

**R. C. AYLOR, Mfr., Box E, Brightwood, Va.**



• ***BIRD BROS. win again*** •

Clean sweep of prizes again at New York Show, Jan. 1935. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.

BIRD BROS. Box J MEYERSDALE, PA.

# Sunnybrook Chicks

**PROFIT-BRED from PROVEN STRAINS**

***19 YEARS Forging Ahead***

Our files are full of stories of successes voluntarily sent in by Sunnybrook customers. These letters tell of quick profits from broilers, high flock averages and low mortality records.

**Pullorum Tested Since 1921**

NEW HAMPSHIRES — WH. LEGHORNS
BARRED ROCKS — R. I. REDS
WHITE ROCKS — CROSS-BREEDS

**SEXED PULLETS OF ALL BREEDS**
GUARANTEED 95% TRUE TO SEX

Our livability Guarantee is only the beginning. This hardy Northern-grown stock will give you low mortality throughout. Early maturity and high average flock production are other qualities that have been bred into Sunnybrook strains.

95% LIVABILITY GUAR. TO 3 WEEKS

Write today for Catalog and Prices

SUNNYBROOK POULTRY FARM
A. Howard Fingar, Owner & Mgr.
BOX E — HUDSON, NEW YORK

When the Read Drug Company, which operates a chain of drug stores in Maryland and Washington, D. C., decided to stage a special drive on eggs at its soda fountains from March 17 to 31, it called its store managers, soda managers and soda employees together for a meeting to hear prominent poultry authorities tell them about eggs. Prizes totaling $200 were offered to employees of stores successful in topping their quotas. Sixteen egg specials were explained, and employees were instructed to keep the eggs under refrigeration in order to preserve their original freshness. On the platform, from left to right: W. H. Ree, University of Maryland; W. S. Sprnill, Purity Creamery; A. F. Martin, State supervisor of egg inspection; Dr. J. Holmes Martin, in charge of Regional Laboratory, East Lansing, Mich.; J. W. Snoddy, vice-pres., Maryland State Poultry Council; H. H. Rieck, Pres., Maryland State Poultry Council; Dr. M. A. Jull, University of Maryland.


One Spot Flea Killer — Pet Spot Dog Spot Only — Kills Fleas on Dogs and Cats — Flea Killer Reg.

Kills Lice, Ants, Fleas, Aphids, Bedbugs, Crab Lice, Potato Bugs, Leaf Hoppers, Cabbage Worms, Mexican Bean Beetles

25¢ & 50¢ Locally or O.S.Co., Elkridge, Md.

**CHICK FEEDER BARGAIN**

UNIVERSAL CARDBOARD FEEDERS save money—save feed—save chicks. Economical. Sanitary. Millions sold. Dealers everywhere. If your dealer does not have them, mail us **$1 for 18**, postpaid.

18 for $1 by MAIL

GENERAL DISTRIBUTING CO., INC.
Newton — Kansas

# Shirk's Quality Chicks

**Bloodtested breeders. Mountain bred.**

| | 100 | 500 | 1000 |
|---|---|---|---|
| Large Type English Leghorns | $7.00 | $35.00 | $70 |
| Sexed Leghorn Pullets (95% acc.) | 13.00 | 65.00 | 130 |
| Sexed Leghorn Cockerels | 2.00 | 10.00 | 20 |
| Barred and White Rocks | 7.00 | 35.00 | 70 |
| R. I. Reds, Red-Rock Cross | 7.00 | 35.00 | 70 |
| New Hampshires, Anconas | 8.00 | 40.00 | 80 |

Heavy Mixed $6.50-100. 100% live del. Order direct from ad or write for circular. Hatches every Mon. & Thurs.

SHIRK'S POULTRY FARM AND HATCHERY
H. C. Shirk, Prop., Box 63, McAllisterville, Pa.

**QUAKERTOWN** ELECTRIC FRESH AIR BROODER

A most economical and healthful way of brooding your chicks. Saves much time and labor and guarantees constant circulation of fresh warm air. Ask your local dealer for this High-Grade Brooder or write for catalog of our entire line of poultry equipment direct to

WILLAUER MACHINE CO., Box E, Quakertown, Pa.

For HEALTH and LIVABILITY — CARATONE — LOW COST VITAMIN A NOW IN POWDER FORM — WRITE FOR FULL INFORMATION

EFF LABORATORIES, Inc. Dept. 14-A Cleveland, O.

**POORMAN FEATHER BROODER AND BATTERIES**

NATURAL AS A HEN — FEATHER BROODER — FEATHER

Operate in 70°. Eliminates disease of 90°. **100,000 used by Govt. Insts.**, Hatcheries, Chicken, Turkey Farms

**SAVE TO 50%** by making brooder, table, storage, broiler, laying battery frames; **buying only** Feather Boards and Feeders. **Write for free plans, rations, inst. literature.**

John G. Poorman, Box 11, Tinley Park, Ill. — At it since 1898




is midnight, May 15, 1939 and the 10 boys whose manuscripts are selected as best by the judges will be awarded trips to Akron, Cleveland, Detroit, and Timagami, Ont., with all expenses paid. Complete information on the contest can be obtained from the Contest Committee, The Goodyear Tire & Rubber Company, Akron, Ohio.

**Kauder's Leghorns Make Fine Records**—Kauder's Pedigreed Leghorns at the Storrs, Conn., Test, with a total of 1565 eggs and 1666.50 points through February 28, lead all other pens in the country, despite the fact that Storrs was a week late in starting this year. A Kauder Leghorn is also highest individual at Storrs with 137 eggs and 149.30 points in the 151 days to March 1. Kauder's pen at Georgia ranks highest in that test among all pens with 1521 eggs and 1570.60 points through the month of February. In the seven tests entered this year, Kauder's birds have a livability of 98.1 per cent thus far. Kauder's Leghorns at the Vineland Hen Test have established nine official world's records, including the "Hen of the Century" with the highest official lifetime record of 1119 eggs for 1170.75 points in 5 years of laying.

**Gasson's Poultry Farms** of Ohio won first prize on its entry of 50 White Leghorn eggs in the recent egg and baby chick show at Ohio State University. Score: 24.6 points out of a possible 25.

**The Wisconsin Alumni Research Foundation** has been granted a patent on processes designed to stabilize the iodine content of salt, limestone, and mineral and dry feed mixtures. Merck & Company, Inc. has been designated as the sole licensee with the authority to sub-license and to introduce the stabilization process into commercial practice.

**Andrew Christie,** chairman of the New Hampshire egg publicity committee, in a letter seeking funds for the work of the New England Fresh Egg Institute, declared: "The egg producer's competitors are not his fellow poultrymen, but are all the merchandisers of manufactured food stuffs, cigarettes, candy, radio sets, automobiles, and everything that is sold by high pressure advertising and super salesmanship."

An individual quota of one-half cent per hen on January 1 has been set as the goal.

**Taylor Brothers,** Box 582-B, Newtown, Pa., qualified 427, or 53.8 per cent, of the 793 White Leghorns which they entered in Pennsylvania R. O. P. work last year, according to the report just issued. The percentage qualifying for all breeders was 47.2 per cent.

Of the 427 qualifying, 186 were in the 200-249 egg class, and 241 were in the 250-337 egg class. The average for the 427 birds was 252.9 eggs; egg size, 25.9 ounces per dozen; and body weight, 4.3 pounds.

Here is a type of poultry farm layout which many people dream of owning some day. It is compact in size and well arranged for labor efficiency. This is A. W. Tallman's Glendale Poultry Farm of Massachusetts, a farm devoted to the breeding of S. C. Rhode Island Reds under the National Poultry Improvement Plan.

## CHICK SHOWS

**Mohawk Valley Baby Chick and Egg Show,** held in Gloversville, N. Y., February 28, March 1, 2 and 3, attracted 70 entries of baby chicks and nearly 200 entries of eggs. Thirty poultry breeders and commercial concerns displayed poultry, feeds, supplies and equipment.

Big feature was the "House of Magic" show, given through the courtesy of General Electric Company. A thousand school children and their teachers participated in a special 4-H program. At the public auction the last day of the show, 1,750 chicks and 2,000 eggs were sold.

Carl Gaige, Saratoga Springs, N. Y., won highest award with an average combined score of 98.87 points for three chick and three egg entries. Beacon Milling Company, Cayuga, N. Y., awarded him the sweepstakes silver cup. George C. Gove, Raymond, N. H., was runner-up.

Highest scoring chicks were White Leghorns entered by Leonard Blood, Johnstown, N. Y. He received a silver plaque awarded by John Holser, Troy N. Y.

George C. Gove had the highest combined score for three chick entries. A. E. Danish, Troy, N. Y., took highest honors for eggs on three entries. In the 4-H group, Merle Barber, Albany County, won top honors for white eggs and Charles Dittmar, Greene County, N. Y., had best brown eggs.

**Kerr Chickeries Win in Egg Show**—Kerr Chickeries, Frenchtown, N. J., took highest honors in the special class of pedigreed eggs from pens of Hunterdon County, N. J., poultrymen entered in the Hunterdon Egg Laying Test, a new class innovated at the Hunterdon County Chick and Egg Show, Flemington, N. J., March 14, to emphasize the effect of the individuality of the bird upon the type of egg produced.

## POULTRY CONGRESS

**Three More States Make Congress Quota**—Maine, South Dakota and Virginia have joined New Hampshire, New Jersey, Oregon and Washington in filling their quotas of Poultry Congress membership sales.

**To Help Dedicate Maryland Poultry Building**—A large number of foreign delegates to the World's Poultry Congress will visit College Park, Md., on a pre-Congress tour July 26 for the opening exercises and dedication of the new poultry building now under construction at the University of Maryland.

**Special Rates to Congress**—New Jersey's Poultry Congress tours committee, headed by H. C. Demme, Sewell, N. J., has obtained a special excursion rate of $11.35 from Trenton to Cleveland and return over the Pennsylvania Railroad, provided 300 tickets are sold. This excursion allows for two days and a night at the Congress. A 10-day excursion rate of $15.45, provided 25 or more persons buy tickets, is also offered.


# MARTIN METAL

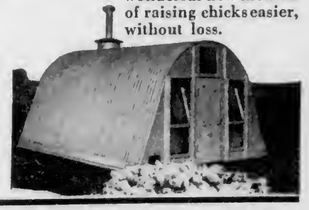
**BROODER HOUSES** *and* **LAYING HOUSES**

**Increase Year Around Egg Production . . . Profits!**

Scientifically designed and ventilated laying houses insure freedom from colds, roup and frosted combs. Ideally lighted. No drafts. Easily cleaned. Insures maximum production when eggs are highest.

**STOP BABY CHICK LOSSES**

Brooding chicks in a Martin is safer, easier and more profitable. Owners report unheard of results, more rapid growth—broilers average 2½ lbs. at 8 weeks—3 to 3½ lbs. at 10 weeks. Write today for folder describing this wonderful new method of raising chicks easier, without loss.



**MARTIN ROUND BROODER HOUSE**
Saves all chicks. Insulated walls, draft proof ventilation and perfect lighting provides Spring conditions in Winter.

**Martin ECONOMY BROODER HOUSE**
Both are Fire-proof, rat and weasel proof, sanitary, dry and warmer—even in zero weather.

**PAY FROM PROFITS**
Sold on easy payment plan (no finance charge)—make payments from profits! Liberal discount for cash. Shipped knock-down with easy to follow instructions.

WRITE TODAY FOR LITERATURE

**THE MARTIN STEEL PRODUCTS CORP.**
709 Longview Ave., MANSFIELD, OHIO


# Worthwhile Information

**If you are not making use of the poultry information offered by manufacturers serving the poultry industry, you are overlooking a profitable source of ideas. Many years of practical experience and research are embodied in this literature. Below are some of the educational bulletins and folders offered by advertisers. You can obtain them by writing DIRECT to the address after each listing.**

**Feeding Poultry for Profit** — An 8-page booklet telling how corn gluten meal in the laying ration as a source of protein increased the egg yield and lowered the cost of the ration. Shows how to feed corn gluten meal.—Ration Service Dept., Corn Products Sales Co., 17 Battery Pl., New York, N. Y.

**The Egomatic Candler and Grader,** an automatic egg candling and grading machine made in 5 to 6 and 10 to 12-case hourly capacity, is described in a folder obtainable from Otto Nelderer Sons, Dept. E, Titusville, N. J.

**Infectious Bronchitis Vaccination** — This 8-page bulletin describes infectious bronchitis symptoms and the use of vaccine to control this dreaded disease. It tells how to prepare the flock for vaccination, how to vaccinate, and how to care for the flock after vaccination.—Vineland Poultry Laboratories, Box 70-C, Vineland, N. J.

**First Aid to Poultry**—A new 36-page book, unusually well illustrated, giving some general poultry pointers, but also a lot of specific information on such things as bowel troubles, colds and bronchitis, coccidiosis, fowl pox, laryngotracheitis, mycosis, worms, cholera, typhoid, paralysis, etc. Also a section of turkey troubles. Mention Everybodys when requesting a copy.—Dr. Salsbury's Laboratories, Charles City, Iowa.

**Bussey's Book of Materials for Bird and Animal Pens** is an 80-page catalog describing a large number of poultry equipment items, including parts for the construction of hen batteries. Information on the use of wire cloth and wire fabric for poultry house floors and sunporches is also given.—Bussey Pen Products Co., 5151 West 65th St., Chicago, Ill.

**Pul. 163—Poultry Sanitation**—A folder describing diseases of poultry and offering suggestions for prevention. Contains special information on diseases in young chicks.—Desk K-53-D, Animal Industry Dept., Parke, Davis & Co., Detroit, Mich.

**Greater Poultry Profits with Stonemo Granite Grit**—A leaflet reviewing research work on grit and telling how insoluble grit helps to maintain the health of growing and adult chickens, also how it results in greater economy on feed.—Stone Mountain Grit Co., Lithonia, Ga.

**Dust of Death** is a new leaflet describing an aid in the control of colds, roup and bronchitis, also giving sanitary measures to be followed in caring for poultry, both adult and baby chicks. Write to the Service Bureau, Everybodys Poultry Magazine for your copy.

## OUR ADVERTISERS ARE GUARANTEED

**OUR GUARANTEE: To prove our faith in the honesty of our advertisers, we guarantee actual subscribers against loss due to fraudulent misrepresentation by any of the following firms or individuals whose ads appear in Everybodys Poultry Magazine. All we ask is that you mention Everybodys Poultry Magazine when answering advertisements, that you order during the month in which the ad appears and that you inform us within 30 days of any loss due to fraudulent misrepresentation of the advertiser, giving full particulars. We cannot, however, adjust losses due to faulty management by the purchaser or guarantee the accounts of honest bankrupts.**

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**Pattern Department**
**EVERYBODYS POULTRY MAGAZINE**
**Hanover Pennsylvania**

The streamline figure of the Spring means ladies "stand tall." Stretching up exercises and an erect posture chase calories.

### Housecleaning Hint

Send in your most helpful Housecleaning Hint before April 15, so that the May issue may carry the prize winning hints. All contributions received become the property of Everybodys. One dollar will be paid for each contribution published. Address Aunt Sally, Everybodys Poultry Magazine, Hanover, Pa.

*Conducted by Aunt Sally*

# Everybody's Home Page

### A Spring Query

Each spring inquiries like the following find their way into my mail; "Tell me what I can do to increase the family income." Last year I braved suggestions through this column that seemed within easy reach. After all, ofttimes the best job needs only the action for its discovery right at our door. Specializing in broilers, ready cleaned for the frying pan, canned chickens, or open a sales avenue to furnish hotels, restaurants and eating houses with the more or less perishable and seasonable green goods like parsley, radishes and mint.

A revival of social activities in our country town opened this winter and created a demand for fancy sandwiches and tea cakes. What a pleasure to help the busy homemaker who solicited the orders! I wish the readers of this page might have joined us one day last week when the 300 sandwiches and 150 cakes were placed in the flat boxes for delivery! Nothing extravagant, in fact, they were made from a combination of materials found in the average kitchen (eggs and chicken forming a large part of the mixtures).

Going into the home of the hostess and making these delicacies calls for a fee by the hour; it is much easier to do the work in your own kitchen where all will be in readiness and the charge is then, so much per item. Several varieties of both cakes and sandwiches can be made the previous day. In fact, rolled, ribbon and checkerboard sandwiches must be chilled to be a huge success, the slicing and decorating can be done next day.

The cakes are not all baked in the paper forms, but cut from single layer cakes into various shapes. These can be iced on all four sides and rolled in ground peanuts or browned coconut. Vary the icing with pastel tints and the method of decoration is legion. A little practice, and a few clever ideas puts one into the old trooper class at the job. Substantial tin cutters are necessary for the dainty open-faced sandwiches and colorful tidbits can be bought, to add mystery to the cake decorations.

### More Eggs

Letting down from winter fare, sort of slaps down the menu maker these sunny days. With such an avalanche of Egg Contest recipes, it is difficult not to fill this entire page with them, but I shall pass on only a pair for your opinion and throw in a leftover for good measure.

**Breakfast** — Whip 2 eggs, add ½ cup milk, seasoning and 1 tablespoon of butter, melted. Dip full sized pieces of bread into the mixture and bake on a hot waffle iron until a golden brown. When served piping hot with home made maple syrup, is it delicious?

**Luncheon**—Beat the required number of egg whites until very stiff, leaving the yolks in the half shells until later. Season the whites and dip on a well greased baking tin. Drop an egg yolk into each mound, adding a dash of ketchup, a bit of minced parsley, or the preferred seasoning of your family. Slip into a moderate oven and bake until the yolk is cooked and the whites nicely brown tinted.

**Leftovers**—Leftovers, like the poor are always with us. Today it may be a dish of mashed potatoes, and if you are baking a vegetable or meat loaf, be glad. Re-heat the potatoes either in a double boiler or over the flame, if you stir constantly while thinning with cream. Remove the meat loaf, spread all over with the potatoes and return to the broiler for a slight browning of the potatoes. In this way there is one more vegetable and a novel service for the lowly spud.

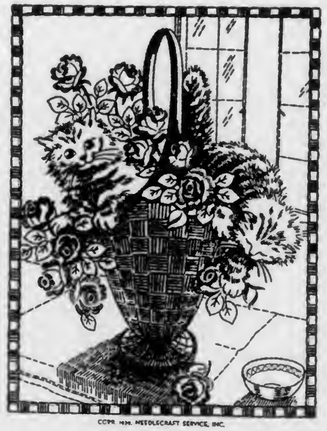
### Winning Recipes for March

(Note: Each month recipes have been received from men and this month they place among the winners. Mr. Leonard writes of the following one. "This idea came to us while working in a maple sugar camp. The eggs sure have a good maple flavor.")

**Maple Egg Special**—Poach eggs in equal parts of water and maple syrup, just enough to cover the eggs. Put on the desired amount of salt and pepper and serve while warm. The liquid can be used several times if kept in a cool place.—Clyde Leonard, Kingsville, Ohio. R. D. No. 2.

**Oriental Platter**—Mix 2 cups cooked rice, 1 cup cooked peas, ¼ cup grated cheese and 6 tablespoons of melted butter and seasoning. Spread on a buttered oven proof platter. Make five wells in the rice, and drop an egg into each. Sprinkle ¼ cup grated cheese over the platter and bake in a moderate oven until the eggs are set and cheese melted, at about 350 degrees. This makes five servings.—Jessie M. Blood, Canterbury, Conn. Rt. No. 1.

**Surprise Eggs**—Drain 1 can of salmon, mix with ¾ cup breadcrumbs, 1 tablespoon chopped onion, parsley and lemon juice, 2 beaten eggs, 1 tablespoon flour, ½ teaspoon of salt. Roll 4 hard cooked eggs in this above mixture and then in cornmeal, using beaten egg yolk if the covering does not cling properly. Fry in deep hot fat until a nice brown. Cut into halves, arrange on serving dish and cover with a plain cream sauce or the thickened juice from the peas, using the extra peas. Or add the additional peas to the cream sauce.—Mrs. Alice Bates, Meadville, Pa. R. D. No. 9.




### Wall Hanging—Pattern 1969

These mischievous kittens, done mainly in single stitch, contrast effectively with the colorful flowers. Pattern 1969 contains a transfer pattern of a picture 15 x 20 inches; color chart and key; materials required; illustration of stitches.

Send 16 cents in coin for this pattern to **Pattern Dept., Everybodys Poultry Mag., Hanover, Pa.**



# Science Marches On!

By Carl H. Schroeder

**Selective breeding for family livability** has demonstrated its practical value in long-time experiments conducted at the Pennsylvania Experiment Station. Breeding was limited to individuals from families which had demonstrated to "have what it takes" to escape fowl paralysis, leukosis and the other ailments which are largely responsible for high pullet mortality.

As a result, during the period from 1932 to 1937, the death rate was reduced from 40 to 20 per cent for the Leghorns and from 49 per cent to 25 per cent for the Barred Rocks. Such selection for family viability did not impair such economic values as number and weight of eggs produced, body weight and age at first egg. The average production at the beginning of the test was 191 eggs per bird for Leghorns as against 205 eggs at the end of the 5-year period reported by Dr. Dean Marble before the annual meeting of the Pennsylvania State Poultry Association. For the Rocks, the corresponding production figures were 200 and 219 eggs, respectively.

Hen chicks tended to be endowed with greater livability than pullet chicks.

Definite signs of substantial progress were recorded after the second year of selection.

There are differences of opinion as to the technical causes which account for the reduction of mortality by selective breeding from birds coming from families which have a high survival rate. Whatever the mechanism might be, these and other investigations demonstrate the practical value of this method.

Dr. Marble advanced the following suggestions for the reduction of pullet mortality:

A. If flock is not affected with paralysis:
1. Bring in no outside stock except from another clean flock.
2. Avoid contact with affected birds on premises.

B. If flock is affected with paralysis:
1. In pedigree breeding select healthy yearling or older birds from resistant families.
2. In flocks not following a pedigree system:
   a. Use old hens as breeders rather than pullets.
   b. Use only birds with reddish-bay eyes.
3. If outside stock is introduced, obtain it from flocks which have been exposed to the disease and developed resistance to it.

There is some evidence which suggests that to "use only birds with reddish-bay eyes" might not always be the most desirable practice; however, it seems that the elimination of birds with "grey, glassy" eyes is good advice until we have conclusive evidence to the contrary.

* * *

**The relation of quality to retail price of eggs** has been studied in Rhode Island by H. C. Fowler. This Rhode Island Bulletin 265 contains a number of interesting items. For instance, the price of cold storage eggs was about 65 per cent of the price of nearly fresh eggs; size was an important cause of differences in egg prices, especially when the supply of pullet eggs was at its highest.

Small eggs brought 81 per cent of the price of large eggs in April, but only 60 per cent in October; eggs displayed in cartons sold for about 2.5 per cent higher, which is equivalent to a difference of about one cent per dozen. This figure does not take into consideration the value of cartons identifying the producer of quality and thus establishing a demand for that particular brand of eggs.

* * *

**Early maturing turkeys** start to lay about six weeks earlier than late maturing strains and they laid about 20 more eggs before May 1st in tests conducted by Dr. V. S. Asmundson of the University of California.

* * *

**Botulism** in turkeys is described by Drs. Coburn and Quortrup of the U.S.D.A. in the Jl. of Am. Vet. Med. Ass'n. The report is of interest because the water of a stagnant pool was demonstrated to be the source of infection. Then, too, the symptoms differed from those observed in other birds.

* * *

**The Rapid Method of Bloodtesting for Pullorum Disease** proved virtually as reliable as the tube test, according to reports by W. Schmidt of the German Institute of Animal Health. These conclusions are in accord with those of many other investigators. As a result, the Institute recommends that preference be given to the rapid method because of greater simplicity and economy in time and money.

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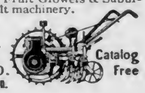
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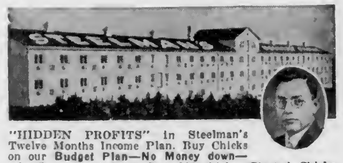

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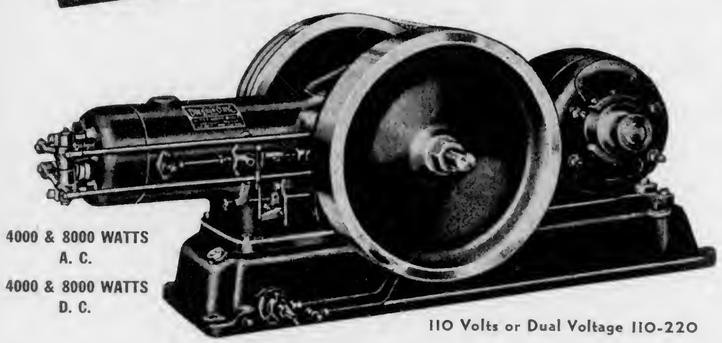

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*See Page 16*

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| New Hampshire Red Pullets, 90% guar. | 9.50 | 47.50 | 95 |
| White & Brown Leghorns | 6.50 | 32.50 | 65 |
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# *This Month* With Your Flock

### Make Shelters Last Longer

Spray or paint a good wood preservative on the skids, walls and all exposed parts of your summer shelters. You'll add years of usefulness to them.

### Roosting Hints

It's a good idea to get chicks to roost just as soon as possible, but be sure the roosts are smooth and be careful in spreading disinfectants on them. Rough roosts often cause blisters and sore feet, and if some disinfectants are not dry, the chicks' skin may be burned and breast blisters produced.

### Watch Changes in Weather

Chicks need more air as it gets warmer, but don't let a sudden change in the May weather catch you by surprise with a resulting loss of several chicks due to chilling. Keep a close watch to see that the chicks don't crowd and smother one another.

### Room on Range

Many poultrymen do not realize the importance of allowing plenty of room for the birds on range as well as in the poultry houses. Far too many over-crowd their ranges. Pullets more than double their size on range, and from 300 to 350 pullets per acre are quite enough.

### Get Better Prices for Eggs

Step up your egg income by selling your eggs in attractive, safe cartons. A colorful carton containing the name of your farm, possibly your phone number and a "catchy" slogan, goes a long way in bringing you repeat orders and making new customers.

[Please turn to page 18]

## *Combined Issues*

Following the policy established last year, the June and July issues of Everybodys Poultry Magazine will be combined and published as one issue, going into the mail the latter part of June. The June-July issue this year will be devoted to the World's Poultry Congress.

A similar combination will be effected on the August and September numbers, the combined issue going into the mail the latter part of August and carrying a complete report on the Poultry Congress.

# Through the Editor's Specs

### Can We Meet the Challenge!

Just about three months remain before the opening of the Seventh World's Poultry Congress in Cleveland, Ohio. If all of the exhibits for which space had been contracted were in place so that the Congress could open tomorrow, it would be the largest poultry industry display ever staged in the history of the world.

Yet, if the World's Poultry Congress is to succeed in its job of selling the poultry industry to the American public and commanding the recognition it deserves as an important part in the economic life of the nation, more general support will be needed on the part of those who in any way directly or indirectly make a part of their living from poultry.

This is the first time that the World's Poultry Congress has come to the United States. The two previous congresses were held in Italy and Germany. Persons who attended those congresses say that they were remarkable for the precision and smoothness with which they were staged. But in countries where military life rules, there is swift compliance with any decisions that are made.

The question is whether we can do as fine a job with our Congress as did the heads of Germany and Italy. Can we, through our democratic processes in which all of us have a right to offer our ideas for consideration, do as good a job as the authoritarian nations? It represents a challenge!

Our government has lent generous support to the Congress. It appropriated $100,000 for its participation. It has made various members of its staff available for work in connection with the Congress. The government's expenditure, however, represents about 10 per cent of the estimated cost of staging the Congress. The balance has had to be raised from the industry itself, and this is being done by the sale of memberships.

A half dozen or so states have succeeded in raising their quotas. Some states have been able to raise only 10 to 20 per cent of their quotas. There is no question but what the commercial and state exhibits will be a success. But it is important, from the standpoint of the consumer program and the youth activities, that more states approach their quotas in the membership drives. The consumer and youth programs represent the chief points of contact which the poultry industry at the Congress will have with the public, and every poultry raiser, whether he has 25 hens or 5,000 hens, can help in making a success of this phase of the Congress.

If you haven't taken out membership in the World's Poultry Congress, do so today. The cost is $1.00 (coupon on page 7). If you attend the Congress, your membership will admit you during the entire Congress, representing a substantial saving over the daily admission price. If you do not go to Cleveland, your purchase of a membership will give you the satisfaction of having shared in the success of the greatest poultry gathering ever held.

### Our Turkey Industry

The growth of the turkey industry in the United States in the past 10 years is remarkable. It seems hardly believable, but U. S. Bureau of Agricultural Economics estimates reveal that there was a 56 per cent increase in number of turkeys raised between 1929 and 1938.

All sections of the country showed some increase, but in the East North

[Please turn to page 22]


MAY 1939 **Everybodys Poultry Magazine** Vol. 44, No. 5

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.; Roland C. Hartman, Editor; Thomas E. Moncrief, Asst. Editor.

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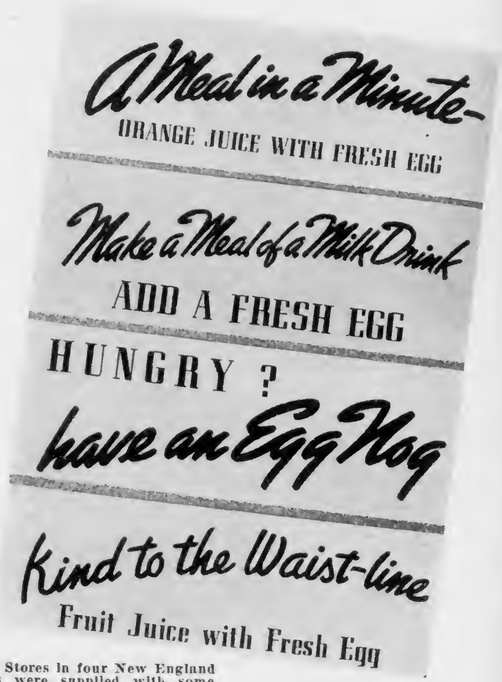
MUTILATED PAGE

# One Year of Boosting Eggs

## by New England's Fresh Egg Institute

*Here is a story of what can be done by producers, with the aid of allied interests, in promoting greater consumption of eggs*

By Homer I. Huntington
Executive Manager, New England Fresh Egg Institute




Drug Stores in four New England states were supplied with some 30,000 of these streamers for pushing egg sales at fountains.

About 18,000 egg calendars intended to serve as a daily egg reminder in homes were distributed by the Institute.

WE in the poultry business began to find ourselves, during 1937. In that year there was a general awakening among poultry leaders to the fact that something was the matter with the industry. An analysis of the situation revealed three factors over which producers had no control:

1. Two years of drought caused a shortage of grains which tended to boost feed prices.

2. Mild winters were partly responsible for accelerating egg production, causing still lower egg prices.

3. Low consumer-buying power, among other things, prevented the purchase of these high quality fresh eggs even at existing low prices.

Perhaps these conditions over which the industry had little control—any one of which alone was important enough to cause grave concern—were a blessing in disguise. The poultry industry actually required three terrific shocks to bring it to its senses. Suddenly we became conscious of the fact that increased consumer demand must accompany an increase in egg production.

Nothing new, because competing food commodity groups recognized this long ago. Herein lay a practical solution to the difficult problem of poultry farm relief — to organize a campaign to tell consumers that eggs are one of the most valuable foods; that their nutritional value is exceptionally high; that their health-giving benefits are many; and that they are classed close to the top in the list of essential protective foods.

How to organize and finance such a program required considerable thought. Should the program be national or regional in scope? Could it be financed by producers, already depressed by low profits, or should it be subsidized by allied industries? Such problems were hard to solve by poultrymen organized only as small state units.

The state egg publicity committees which were appointed during the emergency nation-wide campaign launched by the National Association of Food Chains and the National Poultry Producers Federation, to move eggs into consumption, offered a solution to the problem of organization. A regional set-up under the leadership of the Northeastern Poultry Producers Council looked promising. However, plans were frustrated because of the lack of support from several states.

### Feed Men Lend Help

New England poultrymen were adverse to allowing the plan to die. Therefore, poultrymen were asked to contribute to their state committees

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# Vaccinating for Fowl Pox

One man and three helpers can vaccinate as many as 700 birds hourly this way

By John H. Vondell
Mass. State College

IN areas thickly populated with poultry, fowl pox presents a menace that can send egg production into a nose dive. The disease spreads rapidly. If encountered during the summer, or fall, the outbreak usually manifests itself in scabs covering the face and combs of the birds. Mortality is not heavy if the birds are in good flesh. Later in the fall and winter, the disease often develops into the "wet" form with a nasal discharge tending to prolong the sickness. In both cases, egg production often drops as low as 10 per cent. An extended outbreak often lasts into the hatching season.

All of this can be avoided with a few dollars expended in chicken pox vaccine. A convenient time to vaccinate the growing stock is mid-summer, when the weather is dry, and all broilers and surplus stock have been disposed of.

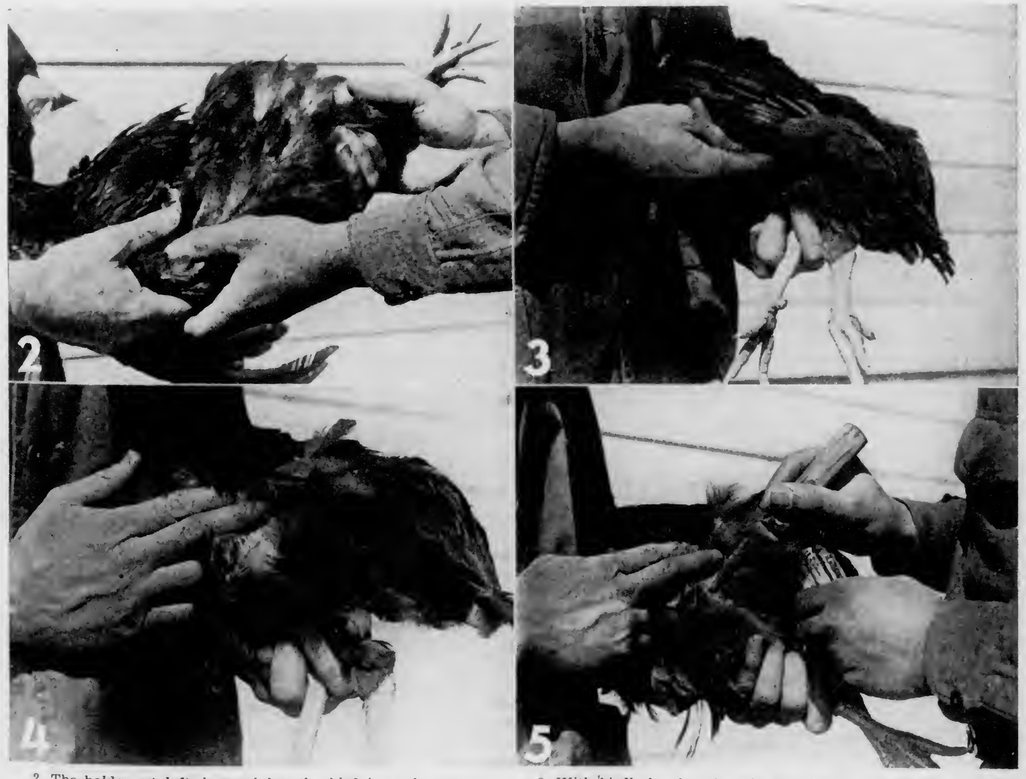
Three methods of applying vaccine are in use. The older method of removing a few feathers and brushing vaccine into the feather follicles requires the most time and vaccine.

Some poultrymen use one, or two, needles in a cork and simply dip the needles into the vaccine, then thrust the needles through the skin in the web of the wing.

As the real essential is to get the drop of vaccine into the skin, any method that is quick and accurate can be used. In New England a very common way is the "stab" method. Much of the speed of this method depends upon the proper handling of the birds.

Photos by John H. Vondell

1 Use a sharp knife with a narrow blade, winding adhesive tape around it about ⅛-inch from point. A salt shaker is a good vaccine container. Fill about one-third full of cotton to form a sponge that can be touched with knife.



2. The holder, at left, is receiving the bird in such manner that he does not have to shift his position.

3. With bird's head under his arm, he inserts fingers under the long feathers high up on the thigh.

4. Lifting the feathers in this tract exposes loose, fatty skin that is free of interfering feathers.

5. The vaccinator dips the knife point into the vaccine, then jabs it into the loose, exposed skin just once.

# *Quick Cooling* Helps Livingston Get That 3-Cent Premium

## *Uses Spring Water for Homemade Cooler*

By Thomas E. Moncrief

YOU don't need a 10,000-bird flock of super layers or a streamlined plant with all the latest mechanized gadgets to produce premium quality eggs. A small producer can do an effective job of turning out a high class product — one that will make the housewife want more—if he conscientiously tries to keep that quality which newly laid eggs have.

There is Stewart H. Livingston of York County, Pa., for example. He has only 300 layers (although he's building up a 1200-bird flock), but he gets 3 to 4 cents above the price for "Nearby Specials" at New York, and the commission dealer getting his eggs says they are among the very best received. Briefly, here's how he does it.

First, Livingston selects stock free from broodiness. He wants no hens that loiter on the nests unless they mean business.

### Feeds His Layers Carefully

Second, he feeds a well known commercial mash and follows to the very letter the feeding program set up by the feed manufacturer. There's no switching from one feed to another. Fresh grit and oyster shell are before the birds at all times. There's always lots of clean, fresh water, too, and the fountains are cleaned at least once daily.

Livingston's layers are confined entirely in his new Connecticut-type two-story house. The litter stays dry; so do the birds' feet. Lighting boards in front of nests are all tipped at an angle so the birds don't have too secure a footing and don't linger there to disturb birds on the nests and get the boards dirty. Darkened nests help prevent hens from scratching out the nesting material. Sugar cane nesting material is used and fresh material is added as often as necessary. All these things help to eliminate dirty eggs.

Eggs are gathered at least three times daily, oftener in very warm weather. Livingston gathers eggs in a wire basket so the body heat can leave the eggs quickly.

### Cools Eggs Quickly

"Cooling eggs quickly with a very high humidity," says Livingston, "is the principal feature in producing quality eggs." After each gathering, the eggs are placed immediately in the homemade cooler Livingston has on the porch of his house, where they are allowed to cool off for three or four hours.

This cooler consists of a large box in which two baskets of eggs can be placed at one time. The box is divided into two sections and one side is kept brimful of cold water piped from a nearby spring. No pump is needed, and the water flows in a steady, regular stream the year around. Near the top of the partition in the box is a small hole which allows the water to leave the reservoir on the right side, run down the side of the partition, along the floor of the division on the left side, and out a drain at the end. The end with the drain is a trifle lower than the other end, so the water runs out and does not wet the eggs.

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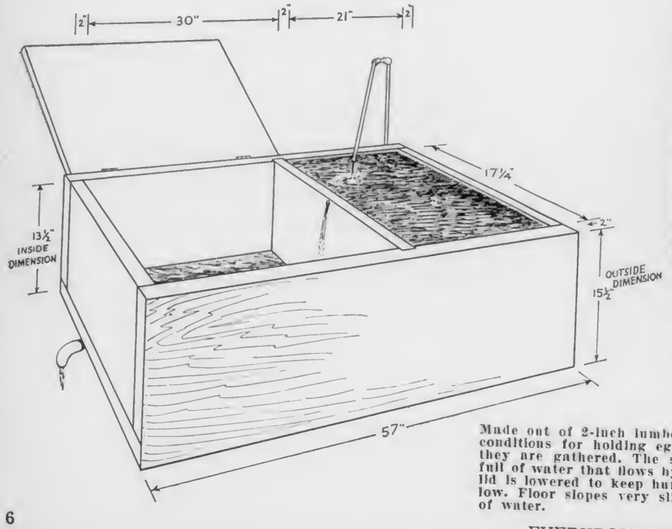
**Looking down on a wire basket of eggs which are rapidly losing their body heat in Livingston's simple but effective cooler. Cold spring water flows across the floor in a steady, regular stream, never wetting the eggs. Two baskets of eggs can be cooled at one time in this way.**

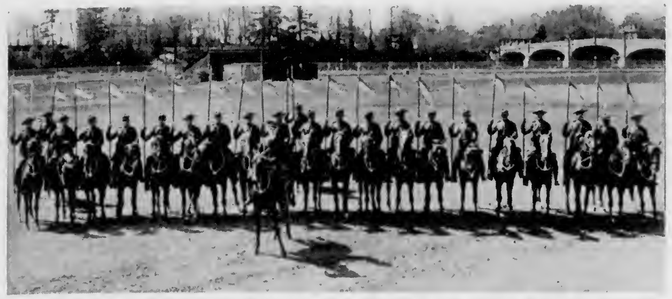



**Made out of 2-inch lumber, this cooler provides ideal conditions for holding eggs the first few hours after they are gathered. The section on the right is kept full of water that flows by gravity from a spring. The lid is lowered to keep humidity high and temperature low. Floor slopes very slightly to allow for drainage of water.**



# World's Poultry Congress News

## *Brief Reviews on Advance Preparations*



**A troop of the famous Royal Canadian Mounted Police will come to Cleveland to put on as a feature of Canadian Day, Monday, July 31, their "Musical Ride," an intricate drill on horseback to band music, which is one of the most spectacular drills executed by any body of mounted troops in the world. Cleveland Police Department is cooperating fully to make this event an outstanding success, plans to banquet the visiting Mounties, to offer other entertainment features.**

**Tours Daily During Congress** — Tours will start on the first Monday of the Congress, July 31, and continue daily until the Congress is over. Most tours will be repeated daily so that Congress guests will have an opportunity to cover points of particular interest to them in northern Ohio.

**More State Exhibits Assured**—State exhibits at the World's Poultry Congress have been assured as a result of passage of bills in the respective legislatures, appropriating sums for this purpose in the following states: Wisconsin, $2,500; Kentucky, $3,000; Utah, $1,000; and Kansas, $7,500. In Iowa, favorable report has been given to an appropriation of $20,000 by the House Appropriations Committee.

**Cuba to Send Delegates and Birds**—At least a dozen delegates from Cuba will be sent to the Congress. Specimens of the Cubalaya fowl will be on display. Steps are being taken by the Department of Agriculture toward a national exhibit for the Republic of Cuba.

**Kerr Chickeries, Frenchtown, N. J., are holding a contest among branch managers to see what managers will win the honor of taking care of the Kerr exhibit at the Congress. Two to four of the managers will be selected, the winners to be determined by volume of sales at the branches from January 1 to July 1.**

**Young folks attending the Congress will have headquarters at the Cuyahoga County Fair Grounds at the edge of the city of Cleveland. Boys will be quartered in buildings on the fair grounds, with cots and bedding furnished. Girls will stay in college dormitories a few blocks from the grounds.**

**Huge Parade and Pageant Planned**—Plans for the opening day of the World's Poultry Congress were revealed at a meeting on March 24, called by Cleveland's Mayor, Harold H. Burton. On the evening of Friday, July 28, a mammoth parade, including bands, drum corps, floats, Cleveland's many nationality groups in the costumes of their native lands, civic officials and numerous organizations will pass through Cleveland's principal streets to the Municipal Stadium where 110,000 seats will accommodate visitors for a pageant of music and beauty.

**Canada Prepares for Big Exhibit**—Canada will have the largest single exhibit at the Congress, except for exhibits staged by the U. S. Government and the State of Ohio. Each Canadian province will be represented. It will require at least three weeks to erect this exhibit, according to Congress reports. Among Canadian visitors will be a delegation from the Trappists Monastery at Oka, Quebec, who will show their Chanticleer breed, especially developed without combs or wattles to stand the freezing weather of the north country.

**Dr. Salsbury's Laboratories,** Charles City, Iowa, will have a sales conference of 60 representatives in Cleveland on the day before the Poultry Congress opens.

**Purina Mills** have announced that their regular radio broadcast on Friday, May 12, carried over 102 stations, will contain an interview on the World's Poultry Congress. Goodyear and Firestone programs also are featuring the Congress. Sixty radio stations have indicated to Ellis Vander Pyl, veteran Cleveland radio man, that they will carry additional promotional material on the Congress.

**Many States to Send Bands** — Future Farmers of America Band of Solomon, Kansas will come to the Congress to take part. The Kansas delegation is also bringing a 4-H Club Band. Michigan will bring two musical organizations and numerous Ohio bands plan to participate. Karl K. Kitchen, secretary of the National Entertainment Committee, is arranging the musical program.

**Mrs. Josephine D. Tinker, Lexington, Ky., was declared winner of the Song Writing Contest conducted by a special Congress committee. About 150 persons throughout the country took part. Mrs. Tinker has been active in music circles, having served as president of the Pennsylvania State Music Society. Her Congress song, for which she won $50 in cash, will be sung to the melody of Auld Lang Syne.**

**The American Poultry Association** will hold a school at Cleveland beginning July 28 and continuing through August 7 to qualify those taking the course as competent poultry judges and will fit those who have qualifications for such work to take the examinations for judges' license. I. M. Asbjeld, Alcester, S. D., manager of the school, can furnish further details and information.

**Girls' Kiltie Band to Play**—First musical organization to notify Congress headquarters of its desire to participate was the Girls' Kiltie Band of Saskatoon, Saskatchewan, Canada. This band has an international reputation and will entertain Congress visitors on Canadian Day, July 31.


### Have You Ordered Your World's Poultry Congress Membership?

The Seventh World's Poultry Congress and Exposition, to be held in Cleveland, Ohio, July 28 to August 7, will be the greatest poultry gathering ever staged on earth! It is the biggest opportunity ever afforded the poultry industry to make the American public egg and poultry conscious.

Do your part in making this great event a success by purchasing a membership certificate. The cost is $1.00. If you attend the Congress, it will enable you to save $4.50 (figured on the general admission price to non-members).

Mail your remittance today to cover the number of memberships desired at $1.00 each, to Everybodys Poultry Magazine, Hanover, Pa. The state in which you live will receive full credit for your purchase.

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For the prevention of Fowl Pox outbreaks, use
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# The *Diary* of a Poultryman

By P. S. White
Wayne County, Ohio

**May 2**—I laughed this morning and the world laughed back. I am starting in on a new week and also a new month in good spirits. Kid White tells me that something is wrong when I don't have the old blue Monday, but everything seems to be coming along in good shape.

The wire guards have been removed from around the brooder stoves and also the Mason jar chick fountains. The chicks now have the entire floor and are all eating from the pasteboard chick feeders. These cardboard feeders are just about the slickest thing I have run across in recent years. This is the second year I have used them, and I can find no fault. That is saying a mouthful for a chicken man. Usually we want to tear everything down and rebuild it over our own ideas.

**May 3**—Ten gallon water fountains sure cut down on labor in caring for chicks. When they are set up on wire screens, it not only keeps the floor dry but also keeps the litter out of the water. I had all of the chicks serviced, the eggs delivered to the auction and was home with a load of empty cases by 10 o'clock.

The new truck glides down the road like nobody's business. Thirty-five miles an hour isn't very fast, but I get there just the same. There is one trouble about a small truck, and that is the load can't be too heavy. To overcome this, I always bring home a load of something. If I have enough cases on hand, I bring a load of feed, even if it is not needed right away. It is only a question of time until it will be needed.

**May 4**—It was a new way to brood chicks to my way of thinking but they said it worked and that is all that is necessary. The party said he just scattered ground corn cobs on the kitchen floor, set up a wire screen around the table, run the stove pipe in the chimney and turned them loose. One thing sure, no one would have to go very far to take care of his stock, if one cared to take care of stock in such a manner. I was told that the results were wonderful. Hadn't lost a chick to date and they are 10 days old.

But I lost one today—just set my big foot down on it. If a chick can survive me stepping on it, well, the vitality and livability simply can't be beat. I have to step on at least one every year, usually doing it to keep in practice. Sometimes it is hard to teach old dogs new tricks.

**May 6**—Had to buy a new gasoline lantern for the range house. Generators had to be replaced too often in the old one. I bought the best lantern I could find in town, built in pump, Pyrex globe and everything else that is supposed to be the latest. It is rated at 300 candle power. That is a lot of light.

**May 7** — Cleaning day and the manure is going on the truck patch. It is great to put chicken manure on the garden — makes things grow. Speaking of things growing, polk or poke berry sprouts make one of the finest greens that I have ever eaten. Cooked with bacon and top dressed with vinegar—well, it makes a real tasty dish. We put 50 pounds in cold storage today for next winter.

**May 9**—It was one of those coincidences that has happened only once before to my knowledge. The last three eggs in the basket were the 360th egg in three different cases, one being a large special, one a medium special and the third filling the ungraded case.

It was also a coincidence that one of these young roosters jumped on top of the red hot, tin can, oil burning brooder stove. He danced like the mythical character, Old Ruben, who had hot feet. He made such a racket dancing on the rattling lid that when he flew down on the floor all the chicks in the house stampeded to the walls. One chick was forced down in the corner and smothered before I noticed it. Of course, it had to be a pullet chick. Profit and loss, bitter and sweet go hand in hand all through life.

"There is one trouble about a small truck and that is the load can't be too heavy. To overcome this, I always bring home a load of something. If I have enough cases on hand, I bring a load of feed, even if it isn't needed right away."

**May 10**—It takes time to get accustomed to new equipment. We have found this to be true with the new truck. With the smaller capacity and express or pick up body conditions are different from the flat, stake body of the old one. But we can now haul a load of full cases or a load of empties without roping them. In fact, no rope is carried in the truck unless it is for some special reason. The truck has now gone 500 miles between here and town, and the village is only 5 miles away.

Speaking of mileage, Donn White has ridden his bicycle 1,200 miles up and down the ranch drives. He rides back to feed the chicks or to gather eggs. He carries a basket of eggs in one hand and steers with the other. Sometime—well, it will be a mess to clean up when he falls.

**May 12**—For some reason or other the tin can oil stove in No. 2 went out this afternoon. It must have just happened, because when I found it, the stove was still hot, well nigh red hot. But I am a cagey bird now, have been ever since I had to grow a new set of eye brows and eye lashes as well as another mustache from trying to light a red hot stove last year. The memory of that isn't very pleasant. It is bad business when one strikes a match and has a sheet of fire cover one's head like the dew covers Dixie. Today I let the stove cool down—cold—and then and then only I struck the match. It percolated immediately.

**May 14**—I was a day late according to my regular auction day delivery of eggs. But it didn't cause the boys any particular annoyance as the big truck came in from the route earlier yesterday than usual. It is a busy time of the year for those of us on farms, and the auction crowd, knowing this, plan their work accordingly.

**May 16**—So far we have had a wet, cold spring with a few real warmer days. It is getting about time to let the chicks run out doors. Last year, I turned them out a few days later than this, about the 21st or 22nd if I recall correctly. And I am just afraid that when I turn them out that my troubles will start for sure. To be perfectly frank, I am afraid Old Coxy will lay them low. If we just hadn't had so much rain, I wouldn't be so anxious. Although it is a good policy not to cross the bridge before one gets to it, it is also a good policy to realize that there might be a bridge to cross sometime. Bloody droppings can form a bridge that I don't like to cross.

**May 17**—That old return load, that is what I figure on these days as much as getting the eggs to the auction. It was chick feed today. It seems that these chicks are beginning to eat feed in sizeable amounts. And it is only the beginning, only the beginning. After a while, they will eat me out of a house and home.

This year I think I will start to sell the cockerels sooner than usual. Do well nigh anything to get them off feed, for there will be no money made on them this season. The point is to see how little I can lose.

**May 18**—I have never known an egg candler to explode until today. I just well nigh fell over backwards. The 100 watt lamp got too hot, exploded,

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## Danger of Infection
### Among Baby Chicks

Success in raising baby chicks largely depends upon proper care and management. Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your entire flock and cause the loss of half or two-thirds your hatch before you are aware. Don't wait until you lose half your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell and you won't lose one where you have lost dozens.

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knocking the bottom out of the candler and scattering glass all through the basket of eggs being candled. I have seen lamps burn out, but this is the first time I ever saw one explode. It didn't hold me up with the work, for I have made it a policy to have extra lamps of all sizes on hand in case of an emergency.

"But I lost one today — just set my big foot down on it. If a chick can survive me stepping on it, well the vitality and livability simply can't be beat."

**May 19**—It has been a busy day, just too busy. The first thing, we turned the chicks out doors after making sure they couldn't get underneath the houses. Queer how timid they are about getting outside. First one sticks his head out the door, then another, finally venturing both feet on the ground. Some little insignificant thing startles them, and the whole outfit tears back into the house. After a little, the whole adventure starts all over again. But it won't be long until they will almost tear down the house to get outside.

**May 20** — Donn White sprained his ankle last night, and this morning it was swelled as tight as Dick's hat band. He had to stay home from school, which meant that he wasn't able to help with the work at all today. It doesn't seem possible that the little fellow does so much work until we have it to do ourselves. From the looks of the swelling, he is going to be indoors for several days.

Put two chick feeders out doors this morning. This makes two outside and the water fountain and three feeders inside. When it rains, and it looks favorable now, the chicks have feed and water readily available.

All hands helped plant the truck patch tonight after supper, cabbage, sweet corn, potatoes and tomatoes. More tomorrow, if it don't rain.

**May 23**—Donn is still in the house with the bad ankle, although the swelling is going down—slowly. I sure will be glad when he is able to help again. Speaking of chicken manure—20 tons an acre as a top dressing for pasture land sure makes the grass grow. The natives thought last winter that the grass would be burned out, but they have another thought at present. An electric fence divides the pasture in two plots, each 1¼ acres. At the present time, we are pasturing six head of cattle—two cows and four sizeable calves—on the south section. The grass is growing faster than the

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cattle can eat it. This sounds like a wild story but it is a fact.

**May 25**—Lost about 5 gallons of fuel oil today when the fire went out in No. 3's brooder stove. When the fire goes out, the thermostat cools down quickly. This allows the oil to flow through the stove and out the overflow pipe onto the ground. Drop by drop soon makes a volume worthwhile. But when it runs out on the ground, it looks as if a barrel of oil had been emptied. If my daily losses were no more than today's 5 gallons of No. 1 distillate fuel oil at 8 cents a gallon, wouldn't life be sweet? Wouldn't life be sweet if there was no mortality, no roof leaks, no broken window sash or boxes? The realities in this poultry business are soon realized.

**May 26** — Had a couple of coops of market hens on today's auction. A few birds have gone somewhat by the wayside, molting, breaking down on legs, getting out of condition and general disability. It is a good policy to keep the houses clear of such stock. I won't be able to pay the month's feed bill from the sale, but every little bit helps.

I sure will be glad when I can sell some of these cockerels. Some of them are starting to crow, which of course means that it will be only a short time until they get into all kinds of mischief.

"I have never known an egg candler to explode until today. I just well nigh fell over backwards. The 100-watt lamp got too hot, exploded, knocking the bottom out of the candler and scattering glass all through the basket of eggs being candled."

**May 27**—More truck planting today, four more rows of hybrid sweet corn, some broccoli, cauliflower and additional tomatoes. Harold wants to stake the tomatoes this year, to keep them tied up and pruned. We have never done this before, so it will be an experience.

Cleaned the dropping boards in the three north houses, top dressing the truck patch. This top dressing is great stuff, but we are going to need some phosphate and potash to help balance. Guess I will bring out a few bags next Tuesday, as there was no room on the truck today. It is all feed these days on the return load. In fact, today I had to make two trips to town, chick mash, corn, oats and oyster shell.

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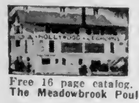

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### Temperatures for Scalding Poultry

Q.—What temperature should the water be for scalding young birds, and what temperature for older birds?—J. R., Pa.

A. — Younger and more tender birds seem to scald best with the temperature approximately 150 to 160 degrees Fahrenheit. These temperatures are approximately obtained by mixing four parts of boiling water at 212 degrees, with two parts of cold water at 56 degrees. Some people prefer scalding temperatures of 165 degrees to 175 degrees, obtained by mixing three parts of boiling water with one part of cold water. This latter range can be used satisfactorily for older, less tender birds.

### Tinkering With Laying Mash

Q.—If sugar beets are cooked, mashed and mixed with good egg mash, will this cut a good deal of the feed cost and make a good feed for the layers?—J. U., Ill.

A. — Good egg mashes purchased from commercial feed concerns are complete and the addition of further ingredients does not make them better for the birds. It is false economy to add further ingredients in an effort to make the mash cheaper. It is always very desirable to follow as closely as possible the directions of the manufacturer of the feed which you are using, and it does not pay to tinker with the feed. The manufacturer has combined certain feed stuffs of definite quality to bring about certain results. His formula is based on many years of research and experimenting and he knows how to feed his feeds to get the maximum number of eggs from the birds.

### Bloody Eggs

Q. — Please give me some information about bloody eggs.—J. W. V., Va.

A.—Bloody eggs are those in which the blood from a ruptured blood vessel in the ovary or perhaps in the oviduct mixes with the white of the egg, giving the egg a bloody appearance. As you can easily understand, bloody eggs are very objectionable from the marketing standpoint.

There are a number of causes for bloody eggs: undue excitement, such as that caused by scaring; too high roosts so that when the birds jump down on to the floor a blood vessel in the ovary or oviduct snaps, causing blood to fuse with the white of the egg; too hard a floor, causing the same trouble; and perhaps too high a protein level in the ration fed to the layers.

### Highest Producers on Record

Q.—What strain of chickens (of any size) really holds the highest production of eggs for the year?—G. F. R., Fla.

A. — J. A. Hanson, the Pacific Coast breeder of Single Comb White Leghorns, has the pen of highest scoring birds which have ever been entered in American egg laying tests. His 10 birds in 1937 at the Central New York Test averaged 308 eggs per bird, laying 3082 eggs during the 51 weeks.

### Dubbing Day-Old Chicks

Q. — Will you advise me where I can purchase electric instruments and directions for cutting of combs and wattles on baby or real young Leghorn male chicks?—F. Y., Conn.

A.—No special electrical instruments are needed, as far as I know, for dubbing combs of day-old or very young baby chicks. A New Jersey breeder has found that by dubbing the combs and wattles of baby chicks, the job is more easily and quickly done than when the chicks are older. There is no apparent discomfort to the chicks. The combs develop slightly as the birds grow, but are short and stubby, resembling somewhat those of a rose comb bird.

A pair of sharp scissors should be quite satisfactory for this job, and since day-old and very young chicks have little blood in their combs or wattles, there seems to be little danger of bleeding. In dubbing combs of older birds, some poultrymen have found it necessary to use ferric chloride solution to prevent loss of blood, but this should not be necessary for the dubbing of the young chicks.

### Possibly Injury from Coal Ashes

Q.—Please advise me if coal ashes are injurious to hens if eaten by them. I use them in the laying house for the hens to dust themselves in.—P. H. B., Pa.

A.—I do not believe that you need to worry about your hens eating very much coal ashes. I have never heard of any cases in which hens or poultry of any kind died because of poisoning due to consumption of coal ashes. If you keep plenty of good feed before the birds at all times, there is little chance that the birds would eat enough ashes to cause any serious effects.


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# *The Situation* BRIEFLY REVIEWED

**Egg prices** have held fairly steady during the past month with the movement of shell eggs into storage expanding. Nearby special whites on April 18 sold for 20 to 20½ cents a dozen on the New York market, compared with 22 to 23 cents a dozen the same day a year ago. Nearby special browns brought 19 to 19½ cents a dozen this year compared with 21½ to 22½ cents on April 18, 1938. Mixed color firsts were 17 to 17½ cents a dozen on April 18 this year and 17¾ to 18 cents on April 18 last year.

**Egg production,** as indicated by receipts at the four leading markets (New York, Chicago, Boston and Philadelphia) from March 1 to April 8, was practically the same as that during the same period a year ago, and 5.55 per cent greater than that during the same period two years ago.

**Egg consumption,** as shown by trade output at the four largest markets during the four weeks ending April 8, was 17.78 per cent greater than that of the same period last year.

**Cold storage holdings of shell eggs** on April 1 were 16.0 per cent less than those on the same day last year and 12.3 per cent less than the April 1 five-year average, 1934-38. Frozen eggs in storage on April 1 were 37.2 per cent less than those on the same day a year ago, but 10.6 per cent greater than the April 1 five-year average. Total case equivalent of both shell and frozen eggs on April 1 was 30.4 per cent less than that on the same day a year ago, and approximately the same as the April 1 five-year average.

**Total frozen poultry holdings** on April 1 were 15.4 per cent above those on April 1 a year ago, and 6.6 per cent greater than the April 1 five-year average.

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# Laying Tests Summarized

Despite the fact that Mettler's Rhode Island Reds at Hunterdon, N. J., picked up nine points on Kauder's pen at Storrs by virtue of piling up 384 points during March to lead all other pens for the month, Kauder's Pedigreed Leghorns rank all-American pen number one through the first six months of the present test year.

A. E. Guinn's White Leghorn hen at Georgia shelled out 30 eggs, good for 33 points, in the 31 days, and remains on top among all individuals to date. Neither record for highest pen or highest hen so far this year is as high as the record for the highest pen and highest hen a year ago.

It is interesting to note that White Leghorn pens are on top at seven tests, Rhode Island Reds comprise top pens at eight tests and New Hampshires are highest pen at one test, giving heavy breeds the advantage. Another note of interest is that mortality has dropped at six tests during the first six months this year compared with the same months last year, while at the other ten tests it has increased. Western New York Test has best livability to date, with more than 95 of every 100 birds that started the test year in October still living.

### Four Warren Pens Lead

Four pens sponsored by J. J. Warren are among the ten highest in the Rhode Island Red section. No new additions were made in this group during March.

### Hubbard Farms Advance

Hubbard Farms' New Hampshires at Storrs climbed into second place in the breed during March, moving up from sixth position. An unusual feature in the Barred Rocks is that each pen is from a different test. Dryden's birds at Central New York gained control in this class, displacing Eben Wood's pen at Maine.

### Homestead White Rocks Gain

Homestead White Rocks at Pennsylvania gained 74 points on Oscar W. Holtzapple's White Rocks at Georgia during March and threaten to overtake the latter's position as number one pen in this breed. Homestead White Rocks at Storrs also joined this class by sailing into ninth position. It must be remembered that Storrs pens are a week behind pens at other tests, due to the delay in starting last October.

### Fuzzydele Farms High in Hen Test

White Leghorns from Fuzzydele Farms lead all pens at the Pennsylvania Hen Test through the 547 days since October 1, 1937. John Schrope's Leghorns top all other pens for the 182 days this year, however. J. A. Hanson has highest individual bird for the 547 days, with 437 eggs and 472.85 points.

**High Pen, 13 Birds, for March in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Thomas Mettler | R. I. R. | 369 | 384.60 | Hunt. N.J. |
| Donald L. Crooks | R. I. R. | 353 | 381.35 | Storrs |
| J. O. Coombs & Son | W.Leg. | 356 | 373.65 | Texas |
| Ford's Riverbank Fm. | R.I.R. | 354 | 371.35 | Maine |
| J. J. Warren | R. I. R. | 341 | 369.30 | Penna. |
| Dryden Pl. Br. Fm. | W.Leg. | 343 | 368.90 | Michigan |
| J. A. Hanson | Wh. Leg. | 338 | 359.70 | Arizona |
| R. O. Wagemaker | R. I. R. | 328 | 358.05 | Missouri |
| Dryden Pl. Br. Fm. | Bd. Rk. | 335 | 355.15 | Cent. N.Y. |
| E. N. Larrabee | N. Hamp. | 330 | 354.80 | West. N.Y. |
| E. B. Parmenter | R. I. R. | 335 | 354.45 | Florida |
| Booth Fms. & Hitchy. | W.Leg. | 316 | 347.20 | Okla. |
| J. J. Warren | R. I. R. | 319 | 343.45 | Rhode Isld. |
| Sponenbergh Pl. Fm. | W.L. | 316 | 337.90 | Pass., N.J. |
| J. J. Warren | R. I. R. | 314 | 332.30 | N.Y. State |
| Dublin Pl. Farm | Wh. Leg. | 308 | 328.50 | Georgia |

**High Pen, 13 Birds, to April 1 in Each Standard Test—(182 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1908 | 2041.85 | Storrs |
| Thomas Mettler | R. I. R. | 2001 | 2016.80 | Hunt. N.J. |
| Ford's Riverbank Fm. | R.I.R. | 1981 | 1964.20 | Maine |
| Nelson's Leg. Br. Fm. | W.L. | 1846 | 1953.45 | Texas |
| Vans R. Otey | R. I. R. | 1859 | 1925.85 | Florida |
| Guy A. Leader | Wh. Leg. | 1884 | 1925.35 | Penna. |
| Dublin Poultry Farm | W.L. | 1873 | 1894.20 | Georgia |
| Booth Fms. & Hitchy. | W.Leg. | 1757 | 1871.30 | Okla. |
| J. J. Warren | R. I. R. | 1795 | 1855.05 | Pass., N.J. |
| J. J. Warren | R. I. R. | 1735 | 1848.15 | Rhode Isld. |
| Ford's Riverbank Fm. | R.I.R. | 1817 | 1847.50 | Michigan |
| Content Farms | Wh. Leg. | 1722 | 1763.65 | Cent. N.Y. |
| Colonial Pl. Fm. | N. Hamp. | 1676 | 1708.50 | Arizona |
| R. O. Wagemaker | R. I. R. | 1593 | 1705.00 | Missouri |
| Foreman Pl. Fm. | Wh. Leg. | 1687 | 1656.90 | N.Y. State |
| J. J. Warren | R. I. R. | 1501 | 1581.85 | West. N.Y. |

**High Pen, 13 Birds, Each Breed to April 1—(182 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1908 | 2041.85 | Storrs |
| Thomas Mettler | R. I. R. | 2001 | 2016.80 | Hunt. N.J. |
| A. J. Williams | N. Hamp. | 1862 | 1901.90 | Florida |
| Dryden Pl. Br. Fm. | Bd. Rk. | 1716 | 1725.50 | Cent. N.Y. |
| Lonnie Van Sant | Bl. Aust. | 1647 | 1722.90 | Arizona |
| Oscar W. Holtzapple | Wh.Rk. | 1637 | 1646.00 | Georgia |
| Colonial Pl. Fm. | Wh. Wy. | 1567 | 1631.80 | Texas |
| Ben O. Monroe | Anc. | 1439 | 1474.85 | Texas |
| Colonial Pl. Fm. | Wh. Min. | 1268 | 1313.20 | Georgia |
| Lindstrom Pl. Fm. | Bf. Min. | 1233 | 1234.35 | Missouri |
| Donald C. Chandler | S.L.Wy. | 1235 | 1199.35 | Maine |
| Raymond Murphy | Wh. Gt. | 1121 | 1193.20 | Missouri |
| Harry L. Phillips | Col.P.Rk. | 1149 | 1185.30 | Missouri |
| S. E. Raymond | Lamona | 1108 | 1177.70 | Storrs |
| Laclede Hatchery | Bf. Orp. | 1029 | 986.95 | Florida |
| Wm. W. Lehman | Bf. Leg. | 980 | 975.60 | Penna. |
| Blue Ribbon Fm's. | R. I. W. | 927 | 941.90 | Texas |
| Cedarlaid Pl. Fm. | Br. Leg. | 1044 | 900.10 | Florida |
| Eagle Nest H&B Fm. | Bf.Rk. | 848 | 883.40 | Maine |
| Hall Bros. Hitchy. | Cross | 775 | 801.55 | N.Y. State |

**High Hen to April 1 in Each Standard Test—(182 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 176 | 191.80 | Georgia |
| Nelson's Leg. Br. Fm. | W.L. | 169 | 183.90 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 168 | 183.40 | Storrs |
| Thomas Mettler | R. I. R. | 169 | 183.05 | Hunt. N.J. |
| Weber Duck Farm | R. I. R. | 167 | 182.95 | Michigan |
| George A. Pearce | R. I. R. | 169 | 182.45 | Pass., N.J. |
| Dryden Pl. Br. Fm. | Bd. Rk. | 169 | 181.50 | Missouri |
| E. B. Parmenter | R. I. R. | 167 | 181.35 | Rhode Isld. |
| Gulfkist Pl. Fm. | Wh. Leg. | 166 | 180.40 | Florida |
| Guy A. Leader | Wh. Leg. | 168 | 179.70 | Penna. |
| Ford's Riverbank Fm. | R.I.R. | 169 | 177.60 | Maine |
| Colonial Pl. Fm. | N. Hamp. | 166 | 176.70 | Arizona |
| Douglaston Manor Fm. | R.I.R. | 160 | 171.80 | West. N.Y. |
| Sand Springs H. Fm. | W.Leg. | 159 | 171.30 | Okla. |
| J. J. Warren | R. I. R. | 151 | 164.55 | N.Y. State |
| Dayton Pl. Farm | Wh. Leg. | 165 | 161.55 | Cent. N.Y. |

**High Hen Each Breed to April 1—(182 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 176 | 191.80 | Georgia |
| Weber Duck Farm | R. I. R. | 173 | 183.30 | Georgia |
| Dryden Pl. Br. Fm. | Bd. Rk. | 169 | 181.50 | Missouri |
| Colonial Pl. Fm. | N. Hamp. | 166 | 176.70 | Arizona |
| E. S. McSweeny | Bl. Aust. | 162 | 171.30 | Arizona |
| Lindstrom Pl. Fm. | Wh.Wy. | 155 | 168.90 | Georgia |
| Raymond Murphy | Wh. Gt. | 149 | 160.95 | Missouri |
| Pinecroft Pl. Fm. | Wh. Rk. | 146 | 157.95 | Michigan |
| Colonial Pl. Fm. | Wh. Min. | 134 | 141.10 | Georgia |
| S. E. Raymond | Lamona | 128 | 140.15 | Storrs |
| Missouri Valley H. | Anc. | 127 | 136.80 | Okla. |
| Henry F. Waitt | S. L. Wy. | 135 | 136.35 | Maine |
| Blue Ribbon Fm. | R. I. W. | 122 | 132.20 | Texas |
| Eagle Nest H&B Fm. | Bf.Rk. | 120 | 128.60 | Maine |
| Harry L. Phillips | Col.P.Rk. | 130 | 123.95 | Missouri |
| Lindstrom Pl. Fm. | Bf. Min. | 128 | 121.80 | Rhode Isld. |
| Laclede Hatchery | Bf. Orp. | 122 | 119.60 | Florida |
| Hall Bros. Hitchy. | Cross | 107 | 115.95 | N.Y. State |
| Cedarlaid Pl. Fm. | Br. Leg. | 123 | 114.85 | Florida |
| Missouri Valley H. | Bf.Leg. | 122 | 110.50 | Maine |

**Average Production and Mortality to April 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Mar. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 113.37 | 116.07 | 1.86 | 8.79 |
| Arizona | 260 | 109.57 | 111.34 | 1.15 | 6.92 |
| Hunt., N. J. | 650 | 105.87 | 107.31 | 3.23 | 11.69 |
| Georgia | 1,300 | 108.43 | 106.51 | 1.92 | 12.15 |
| Penna. | 1,131 | 103.23 | 105.19 | 1.94 | 7.25 |
| Storrs | 1,300 | 102.06 | 104.28 | 1.92 | 7.61 |
| Pass., N. J. | 1,001 | 102.71 | 103.28 | .99 | 6.99 |
| Florida | 1,248 | 102.88 | 102.05 | 1.84 | 9.37 |
| Oklahoma | 650 | 97.02 | 98.32 | 1.07 | 8.46 |
| Rhode Island | 650 | 92.51 | 96.26 | 3.38 | 10.76 |
| Michigan | 897 | 93.88 | 95.49 | 2.22 | 10.92 |
| West. N. Y. | 884 | 90.37 | 90.69 | 1.13 | 4.86 |
| Maine | 1,027 | 86.45 | 85.85 | 3.60 | 15.09 |
| Cent. N. Y. | 910 | 84.32 | 85.17 | 1.53 | 6.15 |
| Missouri | 780 | 81.15 | 84.26 | 2.81 | 14.10 |
| N. Y. State | 1,222 | 83.74 | 82.53 | 2.04 | 9.82 |
| All Tests | 14,820 | 97.20 | 98.02 | 2.04 | 9.49 |



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### Leaders at Vineland Hen Test

Considering lifetime records, J. J. Warren's Rhode Island Reds lead all other pens in the two-year class at Vineland, J. A. Hanson's Leghorns lead in the three-year class and Kauder's Pedigreed Leghorns lead in the four-year class. Dembro Poultry Farm's Leghorns have piled up the highest number of points through the 182 days of the present year at Vineland.

### Wegatepa Reds Hold Progeny Test Lead

Wegatepa Farms' Rhode Island Reds remain supreme at the Paterson, N. J., R. O. P. Progeny Test through March. They have the highest individual honor, highest family record, and highest pen record. E. B. Parmenter's Reds led in all three divisions in March for the second consecutive month. Stroehlein Brothers had second highest pen to April 1 among the 20 entered in this test.

**Ten Highest Standard Test Pens in Entire Country to Date—(182 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 1908 | 2041.85 | Storrs |
| Thomas Mettler | R. I. R. | 2001 | 2016.80 | Hunt. N.J. |
| Ford's Riverbank Fm. | R.I.R. | 1981 | 1964.20 | Maine |
| Nelson's Leg. Br. Fm. | W.L. | 1846 | 1953.45 | Texas |
| Vans R. Otey | R. I. R. | 1859 | 1925.85 | Florida |
| Guy A. Leader | Wh. Leg. | 1884 | 1925.35 | Penna. |
| Foreman Pl. Fm. | Wh. Leg. | 1841 | 1924.45 | Texas |
| John A. Clear | Wh. Leg. | 1809 | 1916.95 | Hunt. N.J. |
| A. J. Williams | N. Hamp. | 1862 | 1901.90 | Florida |
| Sand Springs H. Fm. | W.L. | 1813 | 1900.30 | Texas |

**Ten Highest White Leghorn Pens in Entire Country to Date—(182 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Kauder's Ped. Leghorns | 1908 | 2041.85 | Storrs |
| Nelson's Leg. Br. Farm | 1846 | 1953.45 | Texas |
| Guy A. Leader | 1884 | 1925.35 | Penna. |
| Foreman Poultry Farm | 1841 | 1924.45 | Texas |
| John A. Clear | 1809 | 1916.95 | Hunt. N.J. |
| Sand Springs H. Farm | 1813 | 1900.30 | Texas |
| Dublin Poultry Farm | 1873 | 1894.20 | Georgia |
| Woodlawn Farm | 1762 | 1883.25 | Texas |
| Kauder's Ped. Leghorns | 1808 | 1882.90 | Georgia |
| Erath Egg Farm | 1816 | 1875.15 | Texas |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(151 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Thomas Mettler | 2001 | 2016.80 | Hunt. N.J. |
| Ford's Riverbank Farm | 1981 | 1964.20 | Maine |
| Vans R. Otey | 1859 | 1925.85 | Florida |
| Ralph W. Anderson | 1759 | 1873.55 | Storrs |
| J. J. Warren | 1795 | 1855.05 | Pass., N.J. |
| D. I. Goodenough | 1749 | 1848.70 | Storrs |
| J. J. Warren | 1735 | 1848.15 | Rhode Isld. |
| Ford's Riverbank Farm | 1817 | 1847.50 | Michigan |
| J. J. Warren | 1709 | 1828.40 | Storrs |
| J. J. Warren | 1743 | 1811.65 | Storrs |

**Ten Highest New Hampshire Pens in Entire Country to Date—(182 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| A. J. Williams | 1862 | 1901.90 | Florida |
| Hubbard Farms | 1787 | 1814.35 | Storrs |
| Steelman Poultry Farms | 1723 | 1798.55 | Storrs |
| Thomas J. Harrold | 1804 | 1794.20 | Georgia |
| A. J. Williams | 1719 | 1784.50 | Florida |
| Eben Wood | 1709 | 1770.05 | Maine |
| W. H. Boulware | 1680 | 1730.45 | Florida |
| E. N. Larrabee | 1640 | 1721.15 | Storrs |
| Colonial Poultry Farm | 1676 | 1708.50 | Arizona |
| Del Rio Farm | 1602 | 1687.25 | Arizona |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(182 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Dryden Pl. Br. Farm | 1716 | 1725.50 | Cent. N.Y. |
| Eben Wood | 1692 | 1683.15 | Maine |
| Dryden Pl. Br. Farm | 1682 | 1658.85 | Penna. |
| Dryden Pl. Br. Farm | 1595 | 1643.60 | Missouri |
| Riley Poultry Farm | 1656 | 1628.00 | Michigan |
| Fuzzydele Farms | 1576 | 1609.35 | Storrs |
| David T. Cohen | 1419 | 1592.70 | Arizona |
| Chas. M. Lathrop | 1507 | 1587.10 | Pass., N.J. |
| Riley Poultry Farm | 1553 | 1571.10 | Georgia |
| Riley Poultry Farm | 1492 | 1542.25 | Okla. |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(182 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 1637 | 1646.00 | Georgia |
| Homestead Farms | 1616 | 1594.35 | Penna. |
| Kalerok Farm | 1455 | 1523.45 | Rhode Isld. |
| Riley Poultry Farm | 1567 | 1520.95 | Okla. |
| Albert C. Lawton | 1433 | 1500.95 | Rhode Isld. |
| Oscar W. Holtzapple | 1481 | 1481.35 | Penna. |
| Tender Broiler Hatchery | 1453 | 1448.35 | Okla. |
| Booth Farms | 1398 | 1445.30 | Missouri |
| Homestead Farms | 1431 | 1437.65 | Storrs |
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# Range Rearing
## on Eastern Poultry Plants

### Grouten Grows His Pullets on Woodland Range

LEO A. GROUTEN, Connecticut breeder of White Leghorns, grows about 4,000 pullets each year on a range consisting of about 35 acres of woodland. The acreage is divided into three fields, permitting a three-year rotation.

No crops except what grass comes in each year are grown. Mr. Grouten broadcasts a grass mixture which will stand semi-shade usually in March when the frost is coming out of the ground. He considers it of little value on that part of the field on which the January and February hatched pullets are placed, but a new stand of grass is secured by the time the later hatched pullets are placed out on range.

While open summer shelters are used by the majority of large poultry raisers, Mr. Grouten has been using 6 by 8-foot rearing houses for the past ten years and finds them more practical than shelters for early and late use and just as satisfactory as shelters during warm weather. He places 80 pullets 8 weeks old in each house. Chicks that are hatched in May go into the houses when they are 6 and 7 weeks old.

Each fall, as a sanitation measure, the houses are thoroughly cleaned and then sprayed with a red mite preventive. A covering of litter is placed on the floor under wire to reduce to a minimum the possibility of manure sticking to the floor. The rear of the perch frame is hung on lag screws which act as hinges, 15 inches from the floor at the back, sloping to 2 inches at the front where the birds go in and out of the house. The underside of the roosting frame is covered with 1 by 2-inch mesh wire fabric and it covers the entire floor area, so that the birds cannot get in the droppings.

Since the range consists of woodland, the problem of supplying shade does not exist. Quite a number of Mr. Grouten's pullets roost in the trees and do not make use of the colony houses.

When the pullets are transferred to the range for the first time, they are confined to the 6 by 8 houses for a period of about three days to get acquainted. They are provided with one 8-foot feed trough and a water pan. After this initial period, the feeding and watering is done right on range.

To prevent the heavy concentration of droppings in any one place, the feed troughs are shifted about 5 feet each day. It takes about 15 days to move the feed troughs to the extreme limit in one direction, after which they are moved back on the opposite side. Water pans are usually placed on a dry well filled with small stone, so that any spilled water will drain away quickly without causing a surface puddle to form. About two weeks are required to move the water pans from each house to the pipe line which is located between two rows of houses. Here the water level in the pans is controlled by automatic floats which keep the water at the proper level at all times. Since the feed troughs are kept on the outside of each row of houses, this prevents heavy concentration of birds at any particular point.

### Kauder Starts His Leghorns Ranging at an Early Age

IRVING J. KAUDER, New York State breeder of White Leghorns, believes that chicks a week or two of age are not too young to be permitted on range. As soon as the chicks have located the proper source of heat and can find their way in and out of the brooder house, even though the weather be relatively cold, they are allowed outdoors on balmy, windless, dry days.

From 200 to 250 straight-run chicks are placed in one unit; 100 to 125 sexed pullet chicks. In the case of straight-run chicks, cockerels are removed at 4 weeks of age. Mr. Kauder allots 250 birds per acre of range.

A three-year rotation of range is practiced, and a thick sod is maintained on all ranges. Timothy, clover, red top and sudan grass are planted for the subsequent year as soon as the birds are removed.

All water fountains and feeders, placed on wire platforms which are elevated approximately 4 inches and covered with ½-inch hardware cloth, are moved weekly during the growing period to prevent bare spots appearing. Running water is piped to each range.

### Young Gets Good Results Without Shade on Range

EDWARD H. YOUNG, breeder of New Hampshires in the state of New Hampshire, uses a permanent range for growing his pullets each year. No crops are raised on the range and what grass happens to grow there is all that is used. Mr. Young always tries to use a range that has a light soil and drains well, finding that the birds do better on land of this type than on heavy soil. No special provision is made for shade and on ranges which have had very little shade, he has secured just as good results as where there was an abundance of shade.

Not more than 100 pullets are put in one 7 by 9-foot shelter which Mr. Young uses on range, and never more than 400 pullets are ranged on one acre. This year Mr. Young will limit the number to about 300 per acre. January and early February hatched birds are moved to range just as soon as the ground and weather permit, usually about the first week in April. Others are put out in the range shelters when they are from 8 to 10 weeks of age. Burlap bags are fastened to the sides of the shelters to protect the birds during cold and windy weather. All shelters have wire floors to keep the birds from the droppings, which are cleaned out about once a month.

Regularly each day the birds are given enough feed to last 24 hours. Range shelters are never moved during the season, but moving the feeders daily prevents digging out the grass roots and helps to keep the birds evenly scattered over the range. Mr. Young flushes the birds once every three weeks while they are on range.

Water is piped over the range and automatic floats are used to regulate the water level in the pans. By using a sufficient number of pans so that too many birds do not need to crowd around and use one pan, no difficulty has ever been experienced from too many birds in any one area.

The entire range is fenced and thus the birds are never shut in the shelters, but may get out at the crack of dawn.

### Taylor Finds Crops Essential for Good Range

LAST August, Raymond S. Taylor, Pennsylvania White Leghorn breeder, seeded to timothy and alfalfa the ground he is using this year to range 4,000 pullets and from 1,000 to 1,200 cockerels. Mr. Taylor uses a mixture rather high in timothy as he finds it gives a little thicker sod, and just enough alfalfa to furnish a good supply of green food, since he keeps cutting the grass. He follows a two-year rotation program on range.

The shelters and colony houses are placed on the range in rows, allowing 400 to 500 pullets per acre. The growing birds are moved to range when they are 7 to 9 weeks of age. From 100 to 120 pullets are put in each 9 by 10-foot shelter; from 60 to 70 in each colony house. Only 50 cockerels are put in one house or shelter. All of these pullets will be housed and the cockerels removed to other quarters by October so that the land may be ploughed and seeded to wheat. Mr. Taylor has found it necessary to grow at least one crop on the ground before reseeding it in order to get a good stand of grass on range.

Since Mr. Taylor finds that the pullets use the range shelters for shade a great deal during the day, he often plants strips of corn through the ranges and in mid-summer pulls the shelters close to these strips so the birds have additional shade and cooler soil to scratch in. This works well except during wet weather.

Strips of rag felt are placed under all range shelters. Every 4 or 5 weeks, the shelters are pulled forward onto the bare spots the pullets have made, and the droppings are scraped up and hauled away. Feeders which are outside are moved every week, and oftener, if the weather is rainy, making it muddy about the feeders.

As Mr. Taylor moves the shelters frequently and ploughs his land each year, he has found it most convenient to haul water in a large tank wagon to the birds on range. Each house is supplied with an 8-gallon fountain that is filled each morning with fresh water. He moves the fountains to new ground every few days.

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Sign on the only dairy in Tokyo, Japan: "Fresh pure milk squeezed out by Veterinarians." — Reader's Digest.

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Like an egg, a supposedly hard-boiled man, is generally yellow inside. —Florence (Ala.) Herald.

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Peru is sending featherless chickens to the World's Poultry Congress. Apparently, the Nude Deal is spreading.

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• If you dress 25 or more birds at a time, we can save 30 per cent of your picking expenses. This new Lincoln Automatic Wax Heater and Scalder will do the job faster, give you a cleaner carcass with natural skin color than is possible with hot scalding.

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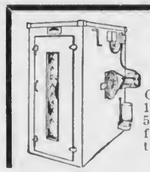

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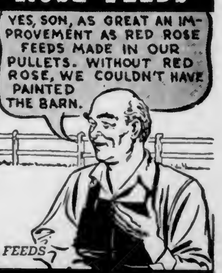


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| Large Type S. C. Wh. Leghorns .. | $6.50 |
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| White Leghorns ..... | $6.50 |
| AA Grade Wh. Leghorns | 7.75 |
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Plum Creek Poultry Farm & Hatchery, Sunbury, Pa.



## *Quick Cooling Helps Get That 3-Cent Premium*

[Continued from page 6]

Since the bottoms of the wire egg baskets are constructed about an inch above the floor, to allow air to circulate under the basket as well as through it, the eggs are never wet by the running water. The entire floor of the cooler is always covered by the cool, spring water. As the whole box is saturated with moisture, the humidity is very high. The lid to the cooler is kept open a little when the eggs are inside to allow fresh air to enter and heat to escape. Livingston says that even in winter weather, the eggs never freeze in this cooler, and in summer weather, they soon lose their heat and stay quite cool.

### Packs Eggs in Clean Containers

From the cooler, the eggs go to a cool cellar in the house where they are kept until marketed. A trucker picks them up twice a week. What few dirty eggs there are, are cleaned with sandpaper. Livingston grades all eggs and packs them in clean cases containing clean, fresh-smelling flats and fillers stored in the basement where they keep cool. He insists on good cases, flats and fillers.

"When you pay 60 cents per case for the complete case and the charge for hauling the eggs to New York, you're justified in asking for the very best," declares Livingston. "Besides, you must have the best if you want to preserve the high quality until the eggs reach the commission dealer and finally the consumer."

Boy — "Mother wants to know if there's such a thing as the chicken trust?"

Butcher—"Why?"

Boy—"Well, if there is, she'd like to be trusted for a 5-pound chicken."
—Pathfinder.

## *This Month With Your Flock*

[Continued from page 2]

Quality eggs, of course, go with a quality package. Insertion of a new egg recipe card in a carton is an added touch that goes a long way with many housewives.

### Running Water to Range

How about laying water pipe out to your range this month so you won't have to carry water so far? It soon pays for itself in time and labor saved. Just try it, and you will wonder why you didn't do it long ago.

### Spring Cleaning Here Again

With the April showers over, get out the broom, brush and bucket and give the hen house a going-over. Hit all the cracks and crevices. Remove nests and roosts from walls wherever possible and scrub thoroughly. Follow up with a good disinfectant. A coat of whitewash on the clean walls also will do wonders. Don't forget the light bulbs and windows.

### Keep the Layers Comfortable

Hot weather—hard on egg size and egg production—comes with the end of May. Keep your laying houses as cool as possible. Allow plenty of ventilation. Provide all the cool, clean water the birds will drink. Don't let body weights drop.

### Fill Holes on Range

Fill all the holes on the range where water may accumulate. Do not allow your chicks to drink from ditches or pools of stagnant water or waste liquids.

### Don't Neglect the Layers

Take good care of the growing youngsters, but don't be too busy to look after the layers, too. After all, they're the ones bringing in the money right now!

## Ranging the Cockerels

Range your cockerels in separate lots from the pullets, far enough away that the two sexes cannot see each other. Cockerels in small groups will fight less readily than those in large flocks. Never put young roosters of widely different ages together.

## Insufficient Iodine in Rations Causes Goiter

Poultry rations containing 0.145 milligrams of iodine per kilogram of feed will produce goiters in poultry, with the thyroid gland increasing in size until it is approximately 20 times the normal weight of individual glands, according to a report of work being done by Doctors Wilgus, Patton and Harshfield at Colorado Agricultural Experiment Station. Feed containing potassium iodide in the ratio of 6.55 milligrams to a kilogram of feed, produced normal thyroid glands. Goiter in chickens, in some ways, is similar to goiter in humans and can be expected to play some part in the behavior of the birds at some time during the laying period, possibly through higher mortality or lower egg production.



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| Ask for our complete list of Pullet & Cockerel Prices | | | | |
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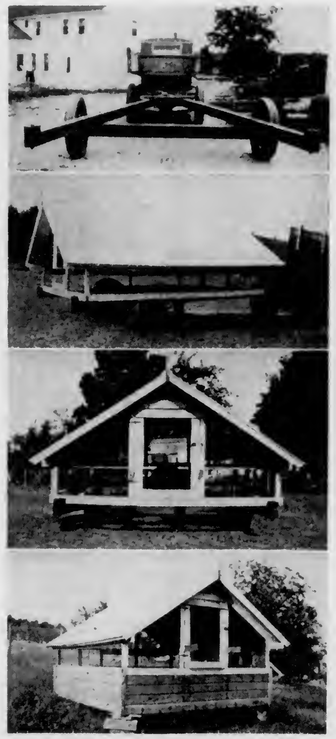
## Gove Moves His Shelters With a Trailer Outfit

The job of moving summer shelters around on the farm of George Gove Barred Rock breeder of New Hampshire, has been made easy by the use of a two-wheel trailer outfit made with discarded auto wheels and some pieces of heavy lumber.

In the top picture, the outfit is shown hooked on to a truck. The second and third pictures show it in use. Note the blocks which hold the shelter in place. Gove's shelters are light enough that several men can lift them.

The bottom picture shows a shelter in position on a high-boarded base which is slipped under an ordinary shelter to transform it into a pen for surplus birds. By placing bags on the sides, Gove has used it successfully for holding extra breeding males over to February. This base is not used for the growing stock.



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"Shucks! I wish that fussbudget would run along and let me hatch this egg I found!!"

## *One Year of Boosting Eggs*

[Continued from page 4]

at the rate of ½-cent per bird to finance an educational campaign. Responses were fairly encouraging, but not enough to insure an effective program. Additional finances were necessary to carry on a producer and a consumer educational campaign. An appeal for financial assistance was made to feed manufacturers. Such assistance on the part of a few manufacturers was pledged, and in March 1938, the New England Fresh Egg Institute was formed: a producer-controlled organization financed by poultrymen and a few sympathetic feed concerns.

The purposes of the Institute are to collect and disseminate information relative to the food value, health value and downright goodness of fresh eggs when used alone or in combination with other foods and to foster an adequate and satisfactory supply of fresh eggs for New England at all seasons of the year and to otherwise encourage and promote a sound poultry industry.

Two important factors made it possible for the Institute to launch its educational campaign immediately, (1) quality eggs in New England were abundant and (2) they were available for distribution because of 12 well-established cooperative marketing agencies. Credit for this essential preliminary work belongs largely to the poultry departments of our state colleges, the state departments of agriculture, and to many progressive poultry leaders.

Immediately after appointing an advisory board, consisting of the presidents of the state poultry associations, chairmen of the egg publicity committees, and a counsel of advertising and marketing specialists, the Institute went to work to devote its entire program to consumer and producer education.

### First Job to Build Quality

What has the Institute done during its first year? Realizing that no consumption program could be carried on effectively without having the wholehearted support of the industry, the Institute devoted much of its time trying to build up industry consciousness and interest in fresh eggs. By industry, we wisely included poultry producers, hatcherymen, marketing organizations, feed and equipment manufacturers, extension services, educational departments, departments of agriculture, bureaus of markets, the poultry press and various publicity agencies such as the agricultural radio and news services—all agencies directly or indirectly interested in the welfare of the poultry industry. To be prosperous, an industry must create a consumer demand for the products it manufactures.

But before that consumer demand can be created, the industry itself must be fully aware of the merits of the products it offers to the public. Too long fresh eggs have been merely taken for granted — they were never really sold—they were just handled. The industry, too busy in producing eggs, forgot that there were protective vitamins and minerals in eggs which consumers need, but about which they know very little.

The Institute recognized this and tackled its first job—that of creating and printing an attractive, educational hand-book on eggs, designed for both producer and consumer. After six weeks time the first 10,000 copies of our first publication entitled "What You Should Know About Eggs" came off the press. By radio, press, and letter this booklet was announced to New England and almost overnight the supply was exhausted. One hundred and twenty thousand copies have now been distributed almost entirely in New England — although copies have been sent to nearly every one of our 48 states, as well as to 12 foreign countries.

### Summer Egg Recipes Distributed

Realizing the importance of keeping our consumers egg-conscious in the summer time when cool dishes are in demand, the Institute printed and distributed 300,000 carton inserts featuring egg-salad and egg-drink recipes. These leaflets together with the egg booklets were distributed at food shows and fairs where the Institute, in cooperation with the state bureaus of markets, set up educational exhibits. Egg quality and egg grades have long been featured at food shows and fairs, but little had been done on stressing the food value of eggs from the consumer viewpoint.

The Institute cooperated with all six extension services during the summer in featuring consumer programs along with the regular educational and scientific meetings held at the colleges.

### Signs Supplied to Drug Stores

The first Chain Drug Store Egg Drive throughout New England was a decided success. Several meetings were held in our larger cities with soda fountain managers and executives to instruct clerks how they can sell more eggs and eventually earn more money for themselves. This campaign popularized the 'Pep Cocktail' and fresh eggs found their rightful place on the soda fountain counter ever since. Not to neglect the independent drug stores, the Institute printed and distributed to all druggists in four New England states, 30,000 back bar egg signs.

### Blotters for School Children

With the return of Fall and school, there came the usual demand for blotters, so the Institute printed and distributed, mainly through its contributors, 50,000 attractive egg blotters featuring the picture of two delicious poached eggs on toast and the words "Eggs for Health, Economy and Good Taste."

To close the calendar year, the Institute offered its contributors egg calendars of unusual design, to distribute to consumers as a reminder that eggs are in season every day of the year. Eighteen thousand egg calendars, we hope, are hanging in as many homes as a daily reminder that "fresh eggs are good and good for you."

Over one-half million pieces of educational literature, created and printed by the Institute and financed by liberal contributions from one of our allied manufacturers, were distributed during the Institute's first year. However, we realize that even this is a mere sample of what can be done if the entire industry would unite for action.

New England has indeed been fortunate because a few allied industries were willing to gamble with 1,200 poultrymen — men who were determined to see what could be done to help their industry by creating a greater consumer demand for fresh eggs.

### Egg Movie in Demand

Cooperation from educational and regulatory state departments has been outstanding. The Massachusetts Extension Service and State Department of Agriculture prepared and produced our movie film "Give the Fresh Egg a Break," which definitely helped to add color, interest, and variety in our consumer meetings. Two copies of this film have been in constant demand throughout New England.

### Window Displays Bring Increase

Egg shows in the past have been designed largely for producers and cooperatives. No competitive egg shows have ever included classes for storekeepers. Jules Kroeck of the Massachusetts Department of Agriculture recognized that there is a definite place for these storekeepers in egg shows. Competition of this sort brings the producers, dealers, and storekeepers closer together, which results in a better understanding of a common problem, namely to increase the consumption of eggs. With the Institute cooperating with other departments of agriculture, several cities in New England saw for the first time, fresh eggs attractively displayed in store windows. Sales increased up to 300 per cent.

The question may be asked even by our own New England poultrymen—"Why the Fresh Egg Institute?" Perhaps the best answer is found in the statement of Dr. E. V. McCollum in which he stressed the importance of consumer education for food products in an address before the National Dairy Council.

Dr. McCollum said, "It is a self-evident fact, in the light of what we all know about present-day promotion of doctored foods and vitamin preparations, that constant vigilance and sustained instruction will be necessary in order to prevent great confusion arising in the minds of food consumers as to what they should buy and eat. Those industries which provide the nation with its 'protective foods,' . . . . . must support the necessary enterprise of keeping these facts before the women of the land. . . Each of the food industries should, however, continually support an educational organization which presents honestly and fairly the knowledge which we possess concerning the properties of all the foods which we grow and which are combined into our daily menus. Only by such means will the health of the nation be safeguarded."

Some poultrymen measure results only in terms of "How much more am I getting for my eggs because of the Institute?" We may rightfully ask, knowing from government statistics that bird population and egg production is on the increase, "How much lower would egg prices have gone without the Institute's consumer educational work?"

The New England Fresh Egg Institute starting from scratch, with no pattern to follow, has, in 12 short months, become well known throughout the New England area and beyond. It has, unquestionably, created increased interest in, and a better knowledge of, fresh eggs on the part of the New England consumers, and it has, likewise, made the New England egg producers, themselves, more "egg-conscious."

While the Institute has not, and doubtless never will, prove a panacea for all the poultrymen's ills, it has shown what can be done by concerted action, and gives real promise of showing the way to a sounder, more prosperous poultry industry here in New England.

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Current reports have it, that a Kentucky hen—after scrutinizing an electric light—laid a replica of an incandescent bulb. Lucky she didn't scrutinize a steam roller.

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H. Mix $6.50-100; Leg. Ckls. $2-100. From FREE RANGE Breeders Bloodtested. For full details of my Breeds & Hatchery get my FREE Catalog today.

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Day old Leg. Ckls. $2-100; Breeders Bld'tested. Cat. Free. 100% live del. guar. Heavy Breeds sexed on Req.
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**English White Leghorn PULLETS**

2,000 weekly, 4 weeks old, 25¢ apiece. W. Leghorn Cockerels, 4 weeks old, 9¢. N. H. Reds, W. Wyandottes, B. Rocks 4 weeks old, but not sexed, 18¢. 10% deposit will book order. Shipments are made by Express collect. Also Baby Chicks and Ducklings. Send for price list.

FAIRVIEW HATCHERY, Theresa, New York

# Worthwhile Information

**If you are not making use of the poultry information offered by manufacturers serving the poultry industry, you are overlooking a profitable source of ideas. Many years of practical experience and research are embodied in this literature. Below are some of the educational bulletins and folders offered by advertisers. You can obtain them by writing DIRECT to the address after each listing.**

**Bul. 163—Poultry Sanitation** — A folder describing diseases of poultry and oering suggestions for prevention. Contains special information on diseases in young chicks.—Desk K-53-E, Animal Industry Dept., Parke, Davis & Co., Detroit, Mich.

**Greater Poultry Profits with Stonemo Granite Grit**—A leaflet reviewing research work on grit and telling how insoluble grit helps to maintain the health of growing and adult chickens, also how it results in greater economy on feed. —Stone Mountain Grit Co., Lithonia, Ga.

**First Aid to Poultry**—A new 36-page book, unusually well illustrated, giving some general poultry pointers, but also a lot of specific information on such things as bowel troubles, colds and bronchitis, coccidiosis, fowl pox, laryngotracheitis, mycosis, worms, cholera, typhoid, paralysis, etc. Also a section of turkey troubles. Mention Everybodys when requesting a copy.—Dr. Salsbury's Laboratories, Charles City, Iowa.

**The Key to Better Health and Larger Profits**—A folder describing Semi-Solid Produlac, a by-product used as a supplementary feed for poultry. Tells how to feed to chickens, ducks and turkeys. — Produlac Division, National Distillers Products Corp., Dept. 2, 120 Broadway, New York City.

**Nature's Masterpiece — Calcite** — A 32-page booklet discussing the value of calcite as grit and as a source of lime for bone development and egg shell formation.—Limestone Products Corp. of America, Dept. 727, Newton, N. J.

**Circular B-2—The Last Word** — A new folder containing illustrations and descriptions of latest models of electric brooders, broiler batteries, and laying batteries. Contains plan for a modern "egg factory." Bussey Pen Products Co., 5151 West 65th St., Chicago, Ill.

**Catalog No. 58**—A folder with illustrations and descriptions of latest models of water fountains, feed hoppers, coal and electric brooder stoves, battery brooders, metal nests and other poultry house equipment.—Beacon Steel Products Co., Westminster, Md.

**Clean Houses**—A new folder describing the value of Avenarius Carbolineum in killing mites, blue bugs, fowl ticks, and as a deodorizer, disinfectant, and wood preservative in brooder houses, laying houses, range shelters and equipment.—Dept. 14, Carbolineum Wood Preserving Co., Milwaukee, Wis.

**Feeding Poultry for Profit** — An 8-page booklet telling how corn gluten meal in the laying ration as a source of protein increased the egg yield and lowered the cost of the ration. Shows how to feed corn gluten meal.—Ration Service Dept. B, Corn Products Sales Co., 17 Battery Pl., New York, N. Y.

**The Egomatic Candler and Grader**, an automatic egg candling and grading machine made in 5 to 6 and 10 to 12-case hourly capacity, is described in a folder obtainable from Otto Neiderer Sons, Dept. E, Titusville, N. J.

# BOYS

How would you like to own a PENLITE? It's a streamlined beauty. Comes equipped with non-breakable solid crystal bulb which cannot become unscrewed or lost. Gives several thousand useful flashes on each battery. Cannot become lighted accidently.

You can earn a Penlite by selling four subscriptions to Everybodys Poultry Magazine among your neighbors at 25 cents for each order. Mail us $1.00 to cover the four subscriptions, and we will send you your PENLITE.

Everybodys
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Hanover, Penna.


## Vacuum-Pack Developed for Dressed Poultry

While coffee, nut meats, French fried potatoes and various other food products have been vacuum-packed for a number of years to preserve their original freshness, vacuum-packing of poultry is a recent development.

**Top: Bag stretched over special container for enlargement by vacuum. Bottom: Chicken wrapped by vacuum process.**

At Cambridge, Mass., the Dewey and Almy Chemical Company has developed an odorless, tasteless, water and vapor-proof rubber container for vacuum-packing dressed poultry, meats, and other irregular-shaped foodstuffs. It may open the way for large-scale packing of full-drawn frozen poultry which many marketing authorities believe an essential step in increasing the consumption of poultry.

The rubber bags, which are available in convenient shapes adapted to the product being wrapped, are enlarged by stretching over a wide-mouthed container (see photos) and drawing a vacuum around the outside, then chilling to hold the distended form. This can also be accomplished by inflating the rubber bag with a measured amount of compressed air and freezing it in its enlarged shape.

Next, the dressed bird is dropped in the open-end bag, a vacuum hose removes the air from within the bag and draws it close to its contents, and the bag is twisted and heat sealed. By quick immersion in warm water or by the application of warm air, the stretched bag thaws out, attempts to shrink to its original size, and contracts to a tight, transparent wrap that makes the bird more appealing to the eye.

Since this new wrap prevents evaporation, it makes possible safe storage for a longer period of time without loss of weight or danger of freezer burn. Frosting of refrigerator coils will be reduced because there is no moisture given off by the product, and it will cut down the loss of time for defrosting in storage plants.

From the standpoint of the housewife, this new method of packing poultry makes the bird more appetizing, because it looks more natural. She is assured, too, that it is sanitarily protected.

## *Through the Editor's Specs*

[Continued from page 3]

Central and the North Atlantic areas, the production tripled. In Iowa, there was a 12-fold increase in that period. Texas continues to be the leading turkey state, while California and Minnesota rank second and third, respectively.

Raising turkeys was always considered highly hazardous, and it still is if they are not handled right. It was a common thing for flocks to be wiped out by the dreaded blackhead just a few weeks before marketing time. The principal change, which has occurred, however, is that there are more big flocks in which producers are making it a business of using good management. Range rotations, partial and complete confinement, and other sanitary practices are being followed, resulting in a much lower death loss.

Low mortality reduces production costs, making possible lower prices to consumer, which in turn creates greater consumption of turkey meat. This is probably the reason why turkey production could expand 56 per cent in 10 years and find a market at prices profitable to growers.

Headline (Buffalo Times)—"Black Hen Turns White." Huh! That's not the first time a brunette chicken has bleached, by a long, long ways.—St. Paul Dispatch.

**"It takes me about 10 minutes longer, girls, but it makes a big hit with the boss."**



## Vo-Ag Boy Makes Unusual Poultry Project Record

The poultry record made by Robert Nicholas, Wyoming County, Pa., is something for vo-ag boys to shoot at. By winning first in the Winners Contest among vo-ag project winners for the third consecutive year, he broke all existing records in Pennsylvania.

**Robert Nicholas**

In his first year of poultry project work back in 1935, Robert raised 371 birds, completing the year with a labor profit of $398.13—winning first place in the poultry chick project.

The following year, Robert cleared $1,232.66 on 2,737 chicks and won the Winners Contest for the first time. In 1937, his chick project of 3,332 birds returned a labor profit of $1,936.44, and in 1938 he started 4,112 chicks, winning the top honors in the Winners Contest both years.

Last year, as "Poultry Boy of the Year" from the southern section of the Northeastern Poultry Producers Council territory, he was awarded a trip to the Neppco Poultry Exposition in New York City. His flock of Barred Rocks and White Leghorns is Pennsylvania state supervised and blood-tested.

Poultry has not been the only activity of Robert Nicholas while in school. During the past four years, he carried additional projects in swine, dairy cattle, capons and flock records. In addition, he was president of the local Hi-Y, member of the national honor society, year book staff, and co-business manager of the school newspaper.

## Fire Precautions to Take When Brooding Chicks

It may not be news—probably it's an old story—but May is one of the worst months for losses due to brooder house fires. Thus the following fire-prevention rules are in order:

1. Allow no smoking in the brooder house.
2. Leave no rubbish around the house where a spark could start a fire.
3. Be extra careful when using papers or burlap bags beneath the stove to keep chicks from eating litter.
4. Have a metal base beneath the stove and far enough out to catch all possible sparks or hot ashes and coals.
5. Be sure seams in fire pot are tight. Putty with furnace cement and draw tight with bolts if necessary.
6. Wire or rivet lengths of pipe together to prevent gas explosions from separating them.
7. Don't use rusty stove pipes.
8. Be sure pipes are free of soot.
9. Protect the wall or roof through which a stove pipe runs with a metal ventilating thimble.
10. Make sure the oil line for an oil burner has no leaks.
11. Check automatic shut-off and float valves of oil burners for freedom of action.
12. If your oil or gas stove fire goes out, let the stove cool off before relighting it.
13. If you leave matches in the brooder house, keep them in a closed metal can.

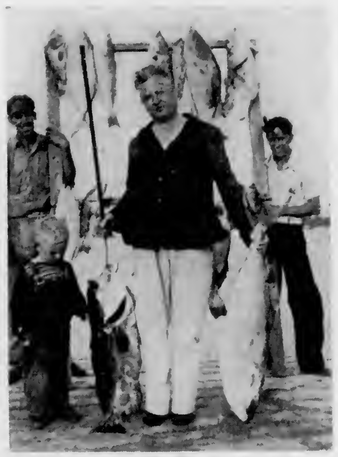
## Foil Keeps Egg Room Cool

Aluminum foil insulation has proved helpful in keeping cool the egg room at Rhode Island State College's poultry plant. This egg room is a corner of the incubation cellar, with two walls foundation and the other two partitions with shavings between the studs. On extremely hot days it was impossible to keep the temperature at or below 69 degrees Fahrenheit.

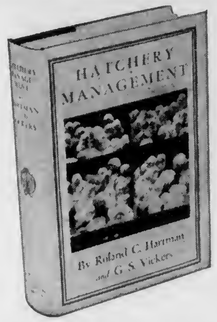
Sometimes it was necessary to place ice in the room and direct an electric fan over the ice in an effort to reduce the temperature. This practice was eliminated after the outside of the partition walls was covered with aluminum foil. Since then, the temperature within the room has been quite satisfactory for holding eggs.

Bride (smelling burning chicken): "Something must be done."

Radios installed in laying-houses, are said to increase production. When music comes in (according to reports) the hens square off and lay a round of eggs.



**Glenn Campbell, who has the big job of directing the publicity for the Seventh World's Poultry Congress, made this fine catch of fish on a recent trip to Florida for a few day's relaxation. The young man, who approvingly examines a fish almost as large as himself, is Mr. Campbell's 4-year old son.**


# Hatchery Management

**By Roland C. Hartman & G. S. Vickers**

Here is the only complete book covering the management of a baby chick hatchery. Based on the experiences of many of America's successful hatchery operators, it tells how to produce quality chicks, how to determine prices, how to find buyers for your chicks, and many other facts that help to make a hatchery business profitable.

CHAPTERS: History of Mammoth Incubation—Commercial Hatching in America—Establishing a Hatchery—The Hatchery Plant—Equipping the Hatchery—The Egg Supply—Flock Improvement — Crossbred Chicks—Getting Hatchable Eggs—Incubation Practices—Hatchery Sanitation—Getting the Chicks to the Customer—The Battery Brooder—Some Management Problems—Chick Prices and Hatchery Costs—Baby Chick Shows—Planning the Advertising Program—Appeals That Sell Chicks—Building the Advertisement—Mail Advertising—Outdoor Advertising — Window Displays — Personal Selling Methods—Good Will Builders—Selling Feed and Supplies—Handling Adjustments—Hatchery Records.

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**Hanover Pennsylvania**

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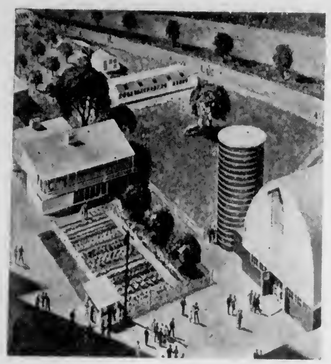


Here is an artist's drawing of the electrified farm at the World's Fair in New York. The poultry house and the brooder house can be seen at the upper right. Among the firms cooperating in the poultry section of the farm are the Masonite Corporation (insulation), Clay Equipment Co., (ventilation), James Manufacturing Co., (incubator, laying batteries and other equipment), National Poultry Equipment Co., (egg cleaner and grader), Lyon Electric Co., (electric brooder). Hatches of chicks are scheduled to come off every two weeks during the fair.

## Flocks Needing Light Culling Pay Best

Flocks that need little culling make the greatest profits, according to Stacy R. Miller, University of Maine extension economist, who has just completed a study of records kept for 108 Maine flocks during 1938.

In comparing 14 flocks that averaged during the year only 50 per cent of approximately 4,400 birds started, with 18 flocks that averaged 85 per cent of the 4,400 started, Miller found that due to heavy culling, the first group had an average for the year of 2254 birds, while the second group culled fewer birds and kept 3789 birds. Egg production per bird was the same for both groups. After inventory, interest, and all other items were considered, owners of the lightly culled flocks received $4 for their labor for every $3 received by owners of the heavily culled flocks.

## Find Cooling Houses Increases Birds' Comfort

Experiments at the University of California during 1938 show that air-cooled poultry houses add greatly to the comfort of the birds during hot weather.

Under the direction of J. R. Tavernetti, assistant agricultural engineer, a laying house was equipped with an evaporative cooler which changed the air once each minute. No attempt was made to insulate the building except to close the curtains in the windows.

Average egg production of the 90 hens in this house for the period April to January was approximately the same as for hens in uncooled houses, but during July, August and September, production was higher than for the other hens, and during the following three months production was below that of hens in other houses. Mortality in the cooled house was lower than in the other houses.

## Turn Incubators into Cold Storage Units

With the aim of helping hatchery operators make year 'round use of their incubators, and also as an important step in maintaining highest quality of eggs during summer and fall months, a well known incubator manufacturer has perfected equipment for supplying refrigeration to his incubators. Hatcheries equipped with late model machines of that make can readily convert their hatching equipment into efficient egg storage rooms for handling eggs between hatching seasons, as well as other perishable foods, such as berries, melons, and tomatoes.

The change from an incubating unit to a cooling unit is simple. Egg trays are removed and a unit consisting of a refrigerating compressor and coils is installed in place of the heat and moisture control equipment. The cost of turning an incubator into an efficient cold storage plant is claimed to be very small compared with that of providing cold storage in any other way.

## Have an Egg Grading Table

You will find grading and packing eggs an easy task if you make use of a good grading bench or table on which to work. J. C. Taylor, New Jersey State College of Agriculture, advises having a table top 6 feet long, 26 inches wide, and about 25 inches from the floor, depending upon the height of the person doing the grading. The top of an egg case setting on the table should come to the waistline of the operator for greatest convenience.

A good place to have your flats, fillers, scales, nails and other materials is on a small shelf just about 2 feet above the top of the table.

## Chick Cannibalism

Chick cannibalism generally will not start if proper brooding conditions are kept. If your chicks do begin to pick at each other's toes or other parts of their bodies, however, investigate the reason at once. Probably the source of the trouble is crowding the chicks.

Keep the chicks busy. Throw into the pen pieces of cabbage, onions, green alfalfa, or some such green feed to keep the chicks active. Some poultrymen find that painting the windows of the house red help. Others cover the windows with burlap or roofing paper and burn red lights in the brooding quarters so the chicks cannot distinguish blood when they see it.

## Kill Those Rats!

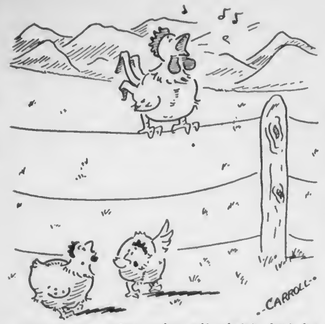
Start your campaign against rats and mice at once if you hope to prevent great losses by those rodents this year. If you use poison red squill bait to kill them, put it out in the evening so it will be fresh when they start feeding. Be sure to put out enough "to go around." Second servings are never as effective. Destroy uneaten bait next morning. Pumping poison gas or putting gas producing powder into rats' hiding places and burrows also is effective. The only permanent way to keep rats away is to have rat-proof buildings through which rats cannot gnaw and find hiding places.

The Lehigh Valley Egg Producers Co-Operative Association held open house on March 30 in its new building erected near Bethlehem, Pa. Organized in 1932, the association now has a membership of 475. In 1938, it sold 36,000 cases of eggs with a market value of $308,000.

The new building is a two and a half story brick and cement fireproof structure with the candling and receiving egg storage rooms in the basement. Three sides of the basement are underground which provides the ideal natural conditions for holding eggs. The second floor has the sales room, office and directors room, while the third floor is used for storing empty cases.

Officers of the association are J. H. Suppan, Catasnuqua, president; Oscar Stout, Lehighton, vice-president; Clarence Hind, Orefield, secretary-treasurer. Directors are Clayton King, Nazareth; Reuben Ringer, Schnecksville; and Walter Schlegel, Bath. Edward Kirschman, Allentown, is manager.






"Joe has a nice voice all right, but he doesn't seem to have any personality!"

## Insulate the Floor Under Electric Brooder Stoves

Electric brooder stoves can be used satisfactorily no matter what type of brooder house you have or how severe the climate is. Auxiliary heat is not needed to prevent excessive mortality, but it may be warranted during very cold weather to keep the litter drier, add comfort to the operator and lower the consumption of electricity.

If the brooder house floor is uninsulated, it is best to cut a disc of one-half inch thick insulation board slightly larger than the hover, properly water-proof it and place on the floor under the hover to help conserve the heat.

## Pullet Feed Costs

Sherman Abbott, West Brattleboro, Vt., poultryman, kept track of his feed costs of raising 515 crossbred pullet chicks started in January, 1937, to 22 weeks of age. The following table, taken from the Vermont Poultry Extension Letter of February 1, 1939, shows Abbott's feed cost per chick:

| Week | Feed Cost per Pullet per Week (Cents) | Total or Accumulated Feed Cost (Cents) |
|---|---|---|
| 1 | .5 | .50 |
| 4 | 2.0 | 4.35 |
| 8 | 2.5 | 14.75 |
| 12 | 3.4 | 27.40 |
| 16 | 3.0 | 37.90 |
| 20 | 3.5 | 50.90 |
| 22 | 3.5 | 57.90 |

## Keep the Air Sweet in Laying House

Try to avoid a dead air condition in your poultry house. If the air becomes stale and bad smelling, it is a sign that you are not getting enough ventilation and there is not a good circulation of air in the house. It has been estimated that a hen needs 35 to 40 cubic feet of fresh air per hour.

An eastern Pennsylvania roaster producer believes that the air should always smell sweet enough that you like to stay in the pen with the birds. If it becomes foul so that you want to get out, it is just as bad for the birds, he claims.

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**White Leghorn Chicks**

We have the largest R.O.P. White Leghorn flock in Pennsylvania with an average production of 245 eggs and an egg weight of 25.9 ounces. One of our pullets made the highest record ever made in Pennsylvania R.O.P., with an official record of 340 eggs in 365 consecutive days. Every egg hatched produced by our own 8,000 breeders.

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Can supply New Hampshire and Barred Rock chicks also. From our own breeders.

**GEORGE M. ANTHONY, Box E, STRAUSSTOWN, PA.**

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# News Notes

## CALENDAR OF EVENTS

May 4-6, Purdue Annual Baby Chick and Egg Show, Purdue University, Lafayette, Ind. Max Myers, Asst. Mgr., Purdue Poultry Bldg., W. Lafayette, Ind.

May 9-11, Seventh Annual Zeeland Chick and Egg Show, Recreation Bldg., Main Street, Zeeland, Mich. G. J. Van Hoven, Mgr.

June 4, Charles Kelley Lawn Show, Major Charles Kelley, Director, Watertown, Conn.

June 6-9, Fourth Annual National Poultry Improvement Plan Conference, Cleveland, Ohio.

July 25-Aug. 7, Seventh World's Poultry Congress and Exposition, (July 25-27, Washington, D. C.; July 28-Aug. 7, Cleveland, Ohio.)

July 26, Dedication of new poultry building at University of Maryland, College Park, Md.

Aug. 31-Sept. 1, Third Annual Business Management Conference for Egg and Poultry Marketing Cooperatives of the Northeast, Pennsylvania State College, State College, Pa.

Sept. 6-9, Maryland Poultry Products Marketing School, University of Maryland, College Park, Md.

Sept. 17-23, 23rd Annual Eastern States Exposition, Springfield, Mass. C. A. Nash, General Manager.

Dec. 2-4, The New Haven Show, New Haven, Conn. Eric Dahlberg, Sec'y, 450 State St., New Haven, Conn.

Jan. 3-7, 1940, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N.Y.

Jan. 10-14, 1940, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

**Plan for Huge Zeeland Show** — The seventh annual Zeeland Chick and Egg Show, to be held May 9 to 12 in Recreation Building, Zeeland, Mich., will open with a banquet of approximately 400 diners, with Governor Luren Dickinson crowning the "queen" of the show. At this show, the only chick and egg show in Michigan, competition is open to all states in the Union and it is claimed that more silver trophies and prizes are offered than to any similar show in the country. Michigan's Radio Network will carry a broadcast of this event. G. J. Van Hoven is managing the Zeeland show this year. A chick sale will be held on May 12.

**Maryland's** second poultry products marketing school, open to anyone over 18 years of age interested in the proper handling and grading of eggs, will be held September 6 to 9 at the University of Maryland, College Park, Md. The course will consist of lectures by prominent egg and poultry marketing authorities and actual practice in candling of eggs and grading of poultry. Write J. M. Gwin, University of Maryland, College Park, Md., for further details.

**Program for Poultry Plan Conference**—The fourth annual National Poultry Improvement Plan conference, to be held in Cleveland, Ohio, June 6 to 9, will have speakers from several parts of the country and will include experts on genetics and pullorum disease control. Following is a brief outline of the program:

Tuesday, June 6—Report on progress in the Plan, problems of administration. Consideration of fundamental breeding and pullorum control facts.

Wednesday, June 7—Further discussions on breeding and pullorum control.

Thursday, June 8 — Committee reports, consideration of proposed changes in the Plan.

Friday, June 9—Further consideration of proposed changes. Discussion of pullorum control in turkeys. Consideration of tentative turkey improvement plan.

The meetings are open to all who wish to attend.

## CHICK SHOWS

**Seventh Annual Georgia Baby Chick and Egg Show,** held in Columbus, Ga., March 23 through 25, was the largest on record in Georgia, having 198 entries of chicks, ducks, poults and goslings, and 209 entries of eggs. More than 16,000 visitors attended. Reid's Poultry Farm, Arlington, Fla., had highest scoring entry of chicks with its New Hampshires. Other winners with chicks were Hubbard Farms, Lancaster, Pa., in Barred Rocks; Miami Chick Hatchery, Sidney, Ohio, in White Rocks, Wyandottes, Rhode Island Reds; Peach Valley Egg Farm, Butler, Ga., in White Leghorns; Georgia State Hatchery, Atlanta, Ga., in Orpingtons; Ridgway Duck Hatchery, LaRue, Ohio, in ducks; Norris Poultry Farm, Montgomery, Ala., in turkeys. Highest scoring egg entry belonged to Pine Mountain Valley Farms, Pine Mt. Valley, Ga.

**Clements Brothers Top Maine Show**—Clements Brothers, Winterport, Me., walked off with highest honors at the Baby Chick and Egg Show held in conjunction with Farm and Home Week at University of Maine, March 27 to 30. They won special awards for best chicks in the show, best Rhode Island Red chicks and best crossbred chicks. Other winners were: Andrews' Barred Rock Farms, Stillwater, Me., best Barred Rock chicks; Raymond P. Potter, Medway, Me., best dozen eggs; G. E. Coleman, Jr., Brunswick, Me., best combined exhibit of eggs and chicks; Nokomis Farm, Orono, Me., best exhibit of 3-dozen eggs.

## CONDITIONS

**The egg-feed ratio,** compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| March 23 ..... | 9.96 | 8.4 | 8.3 |
| March 30 ..... | 10.6 | 8.6 | 8.8 |
| April 6 ..... | 11.1 | 8.9 | 8.6 |
| April 13 ..... | 11.1 | 8.4 | 8.9 |

**More Layers on Farms**—Average number of hens and pullets of laying age on farms on April 1 was 77.0, compared with 73.8 a year ago. This was less than the 10-year average, 1928-37, of 79.7, however. Average number of eggs laid on April 1 per 100 layers in farm flocks was 56.3 compared with 57.9 on the same day last year, and 53.0 for the 10-year average.

**Farm Income Down**—Cash income from farm marketings in February totaled 430 million dollars, according to the U. S. Bureau of Agricultural Economics, 6 per cent beneath the 456 million the same month a year ago and 26 per cent beneath the 578 million for January this year. Including government payments, total farm income in February was 486 million dollars, compared with 487 million a year ago and 619 million for January.

**Hatchery Production Up**—Approximately 18 per cent more chicks were hatched in March than during the same month a year ago, bringing the total number hatched from January through March to 26 per cent more than during the same three months in 1938. Approximately 23 per cent more chicks are booked for April or later delivery this year. Commercial hatcheries report 87 per cent more poults were hatched in March this year than last year.

**Miss Jeannette MacDonald, popular movie actress, is here admiring some chicks and ducklings entered in the Georgia Baby Chick and Egg Show which was held in Columbus, Ga., March 23, 24 and 25. Miss MacDonald was in Columbus on concert tour at the time of the show. (Photograph courtesy of Columbus Ledger.)**

**Goodyear Tire and Rubber Company gave a boost to eggs on its farm radio program of March 14 when Don Goddard (right) interviewed Leonard Meskill, soda manager for one of the Pennsylvania Drug Company stores on the special drive being made by 2,700 chain drug stores to increase the consumption of eggs. Last year, in a similar drive, chain drug stores increased their egg sales 42 per cent over the corresponding period of the year previous.**

## EGGS UNDER STAMP PLAN

**Eggs** are included under the stamp plan of surplus food distribution which will be tested very shortly in Rochester, N. Y., and other cities by the Federal Surplus Commodities Corporation. In announcing the experiment, Secretary Henry A. Wallace explained that the plan was intended as one step in broadening the farmer's market for his surplus products and also to provide a more adequate diet for low-income consumers.

Under one variation of the plan, WPA workers may request that an amount equal to from $1.00 to $1.50 for each member of the family be deducted from their wages. They will receive orange stamps good for purchasing any food in an amount equal to that which has been deducted. In addition, blue stamps representing 50 per cent of the value of the orange stamps issued to each person and good only for foods designated as surplus, will be given free.

The other variation of the plan makes the same minimum of $1.00 in orange stamps and a maximum of $1.50 in orange stamps available for purchase by the person receiving general relief, old age assistance, aid to dependent children, and aid to the blind. With every one-dollar purchase of orange stamps, these eligible persons will receive free 50 cents in blue stamps good for exchange for certain designated surplus foods at any grocery store.

## ORGANIZATION

**New York Show Officers Elected**—Following are officers of the New York Poultry Show, Inc., elected at the annual meeting April 8: Silas H. Andrews, Mineola, N. Y., pres.; Walter F. Krone, York, Pa., vice-pres.; Fred H. Bohrer, Utica, N. Y., sec.-treas.; Lloyd M. Hallenbeck, Greendale, N. Y., C. T. Alden, Roslyn Heights, N. Y., John C. Kriner, Sr., Stettlersville, Pa., P. W. Wannemacher, Farmingdale, N. Y., and Dr. C. W. Rippon, Jermyn, Pa., all on the executive committee. The show will be held January 3 to 7, 1940, at the 14th Street Armory, New York City.

**Auction Erects New Building**—A new poultry sales building for Bucks County (Pa.) Producers' Association is being constructed directly across the street from the present Doylestown Egg Auction. The new structure will be 40 by 100 feet, to be used for reception and handling of crates of live poultry, and an offset 30 by 40 feet, to be used as a salesroom.

The Doylestown Auction, which has about 825 members, is headed by Raymond Taylor, Newtown, Pa. William H. Gwinner is auction manager. It is the only auction in Pennsylvania to use the New Jersey State poultry grades for its sales.

**A. B. Hall** of Hall Brothers Hatchery, Wallingford, Conn., was elected president of the Hamden Cooperative Poultry Auction, Inc., March 27, for his sixth successive term. All other officers were reelected, including W. W. Ham, Branford, Conn., vice-president; M. E. Jones, Cheshire, Conn., secretary; Emerson L. Clarke, Milford, Conn., treasurer. C. H. Pearsall was reappointed auction manager. Hamden Auction business during the past year amounted to $540,000.

## EGG CONSUMPTION

**New England Fresh Egg Institute, Inc.,** has moved its office from Malden, Mass., to 667 Main St., Worcester, Mass., so as to be more centrally located with respect to the six New England States it serves.

**Retail Stores Help Boost Eggs** — More than 50,000 posters have been distributed by the International Baby Chick Association recently to retailers, mostly upon orders received from chain food stores, to help increase egg consumption.

## PEOPLE

**William H. Danforth,** chairman of the board of Ralston Purina Co., St. Louis, Mo., recently was awarded a national honorary membership in Alpha Zeta, national honorary agricultural fraternity, in appreciation of his contribution to research in agriculture.

**Albert B. Godfrey,** who was engaged during the last eight years in poultry genetics at the National Agricultural Research Center, Beltsville, Md., has been assigned to assist in advanced breeding stages of the National Poultry Improvement Plan.

**WOR, Newark, N. J., broadcast an Easter program, originating from Kerr Chickeries, on April 1. From left to right are F. Yanselous, hatchery foreman; Announcer Dave Driscoll; O. B. Kerr, president of Kerr Chickeries; and J. C. Weisel, vice-president. Announcer Driscoll introduced the program with some history on the connection of eggs and chicks with Easter, then made a tour of the hatchery asking questions of members of the Kerr organization. The small 250-egg incubator which they are examining was used by R. W. Kerr, founder of Kerr Chickeries, 32 years ago. In the background is a 52,000-egg Smith incubator.**

**The Beacon Milling Company's third addition in 18 months to its mill at Cayuga, N. Y., is now under construction. While new machinery or space has been added to the mill every year since the company was founded in 1920, the increasing volume of business has required additions every six months during the past two years. The latest addition will double the capacity of the mill over what it was 18 months ago.**

## THE TRADE

**Vineland Poultry Laboratories,** Box 70-C, Vineland, N. J., have just issued their 25th anniversary booklet, "Science Safeguards Your Flock Against Disease." This booklet, sent free on request to all poultrymen, is a 32-page manual on infectious and contagious poultry diseases, containing complete information on the application of egg-propagated vaccines for prevention of infectious laryngotracheitis and of fowl pox; and directions for blood testing by Vineland Laboratories' stained-antigen method.

**The Carbolineum Wood Preserving Company,** Milwaukee, Wis., is now selling Carbolineum in a tamper-proof and leak-proof container having a metal seal. It will eliminate the possibility of refilling containers with inferior products.

**The International Harvester Company** has confirmed reports that it will very shortly produce a new low price tractor. The specifications and price of the new tractor have not yet been made public.

## LEGISLATION

**Pennsylvania's Unemployment Compensation Law** exempts strictly agricultural workers, but employees of baby chick hatcheries are not exempt, according to an interpretation of the law released recently.

**North Dakota to License All in Industry** — An eight-member Poultry Improvement Board has been established in North Dakota to develop the industry and administer a new law, now in effect, requiring the following license fees: poultry buyers, processors, packers, $1, plus 25 cents per 1,000 pounds of birds handled; hatcheries, $1, plus 50 cents per 1,000 eggs; baby duck and poult jobbers, $1, plus 50 cents per 1,000; R.O.P. breeders, $10, plus five cents per pullet candidate over 100 birds entered in R.O.P. work; feed manufacturers and wholesalers, $1, plus 50 cents a ton for all mixed poultry feeds produced or sold in North Dakota.

## MISCELLANEOUS

**Current Shutoff Hurts Hatcheries** — A recent 30-hour interruption in electric power service in the New Washington, Ohio, area, due to a break in a transformer, caused estimated losses of approximately $100,000 in seven of the largest hatcheries there. More than 1,500,000 eggs were in incubators at the time.

**Iowa Sends Most Dressed Poultry to New York**—New York City received more than 209 million pounds of dressed poultry in 1938, with more than 39 million pounds coming from Iowa. New York State ranked second and Minnesota third in the volume shipped.

**Maine Pullorum Work Reaches Peak**—In 361 Maine flocks, representing 312,321 birds tested for pullorum disease during 1938-39, 339 flocks had no infection and total per cent of reactors was .05, compared with 22.3 per cent reactors in 15 flocks totaling 2730 birds in 1921-22, when the Maine pullorum eradication campaign began. There were no pullorum clean flocks that first year of testing.

**Duck Farmers Fight Tax Ruling**—Owners and managers of 80 duck farms on Long Island, N. Y., are uniting to appeal a ruling of the New York State Department of Labor, which held that duck farms are commercial enterprises and therefore not exempt from the Unemployment Insurance Law, as general farms are. Suffolk County Farm Bureau is backing the duck farmers.

**Reduce Duty Rates on Poultry and Eggs** — The trade agreement between United States and Canada, which became effective January 1, 1939, reduces the rates of poultry between both countries as follows: Shell eggs from 10 cents to 5 cents per dozen; dressed ducks and geese from 10 cents to 6 cents per pound. The rate of 6 cents a pound was made for dressed chickens and guineas in the 1930 agreement. Dressed turkeys remain dutiable at the 1930 rate of 10 cents a pound. The rate of 4 cents a pound for live chickens, ducks, geese, turkeys and guineas, made in the 1936 agreement, was unchanged.

**Poultry Congress Day at World's Fair**—Sunday, July 23, has been designated as "World's Poultry Congress Day" at the World's Fair in New York City.

**To Assess Poultry Flocks for Taxation**—Poultry producers in Rockingham County, Va., are to be assessed on their flocks for taxation this year for the first time.

**Here is the Lincoln Incubator Company's new waxer for use in heating wax for the wax method of plucking of poultry. It is a gun metal lacquered cabinet with double wall insulation, constructed so that the wax container will not buckle. Special thermostatic control holds the temperature within 2 degrees range. A metal ring heater applies the heat from the bottom, but is not submerged in water. If the water boils away, it will not burn out. Both cabinets are identical — one being used for heating the scalding water and the other for heating the wax. The wax container is interchangeable.**

## Style Notes for Summer

**Pattern 9996** . . . RECOMMENDED FOR KIDDIES —THIS FROCK WITH HIGH WAIST AND SWING SKIRT. Designed for sizes 2 to 10. Size 6 requires 1⅞ yards 35 inch fabric.

**Pattern 4073** . . . GENTLY FLARING SKIRT, PRETTY YOKES IN ONE WITH THE BACK AND BODICE SOFTNESS GIVE THIS STYLE CHIC. Designed for sizes 14 to 20 and 32 to 42. Size 16 requires 3¼ yards 39 inch fabric.

**Pattern 9975** . . . SLENDERIZING LINES ARE YOURS IN THIS MOST FLATTERING OF DRESS UP STYLES. NOTE CHOICE OF SLEEVES. Designed for sizes 34 to 46. Size 36 requires 3⅝ yards 39 inch fabric.

Price of patterns 15 cents in coins each. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th Street, New York City.**

## Book of Summer Patterns!

It's almost Summer . . . time for Mr. Mail Man to bring you our new Pattern Book of hot-weather style successes! Order Your Copy Now, and be early with those stunning summer outfits you plan to dressmake for yourself and your family. Everything you need is pictured—for sports, all-occasion wear and dress-up! Brand new versions of "sun-yourself" toggery, smart cottons for at-home and vacationing, slimming models for stouts, and perky, practical suggestions for toddlers and juniors. All these have been interpreted in the easiest-to-use patterns you have ever seen—so you'll want to have this pattern book at hand even if sewing for yourself is you newest "accomplishment." Send today.

Price of a book is 15 cents. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th Street, New York City.**

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Sow plenty of carrots in the garden. When eaten raw, they provide top vitamins for both youngsters and oldsters. They surpass spinach in quality. Grate them in salads combined with gelatin; shred them for the "toss" salad bowl mixture and serve in thin slices to be eaten like celery.

*Conducted by Aunt Sally*

# Everybody's Home Page

### Tossing the Greens

Do the men of your household ever take a hand in the meal preparation? Well, men are coming to the front as cooks and are capturing some laurels. This suggestion may keep them out of the kitchen, but will give them a job in the dining room, tossing up the salad!

While arranging for a picnic last summer with two nephews, who are nicely housed in their own homes, those boys grew wildly excited discussing salad making. One said the greens should be chopped on a chopping board or sliced with a knife. The other lad defended shredders or a slaw cutter.

The argument for chopping was that it left both greens and vegetables unbruised and that they held more of the dressing. This lad measures all ingredients for French dressing into a long-necked bottle, and vigorous shaking quickly settles the mixing problem. The redeeming item of the boy's recipe was an addition of a cup of thick tomato juice. It furnishes a little backbone to the otherwise thin French dressing.

Everything crisp and cold is the secret of tossing the greens and vegetables with as little bruising as possible in a wooden bowl, using the wooden fork and spoon. Our boys do this right at the table and then pass the bowl for each guest to serve right on his dinner plate, making personal selection of certain ingredients.

In preparing the variety of filling for the salad bowl, use any sort you have. All leafy and root delicacies come under the head of salad possibilities, even the lowly dandelion and spinach. Leafy greens, according to the French, ought to form one-half to two-thirds of the content, and shredded or sliced vegetables the remaining part, not being stingy with the decoration or garnish items like parsley, green pepper, ripe or green olives, pickles, nuts, hard-cooked eggs, etc. As for the onion flavor, follow the French custom of rubbing a piece of bread with garlic and leaving it in the bowl until the salad is ready to serve. Onion rings are enjoyed by the average person.

Let your supply of green goods and vegetables on hand determine the combination and the "what" to be tossed in the bowl by the family tosser.

In preparing the greens and vegetables, have them chunked in pieces small enough to be handled, but not small to look messy. Drain carefully, wrap in a dry towel and store in the refrigerator until ready to mix. French dressing is flexible, but a good base is ½ cup of salad oil to 4 tablespoons of vinegar and a teaspoonful of sugar. If the family likes the greens oil covered, do not add the vinegar until the very last thing and then sprinkle lightly over the filled bowl. As for seasoning, ½ teaspoon each of salt, paprika, mustard and the tomato juice if desired.

May is the beginning of bringing in the greens, and I do hope you all enjoy the salad bowl as much as other "tossers."

### Brush up on Brushes

Not all of us get into deep housecleaning before May in this Northern climate, so there may be time for hints on this helper —the brush. The grind and drag of housecleaning vanishes considerably when the tools are all ready, plenty of dust and washing cloths and a schedule all set to go. When all necessary implements are waiting on the doorstep, actual cleaning is a short operation.

The brush family come to the rescue of good home-keeping in a big way. There are brushes to fit every object from cellar to attic, and if hung up after being used, they live a long while and stay in excellent repair. Have them near the scene of action so no time is lost hunting for them. Here is a list of worthwhiles, if your brush supply needs replenishing.

The straight, stiff-bristled one for cleaning radiators and bed springs. A long handled wall and ceiling brush. The circle brush and a triangle one make a fine pair for every day use in the bathroom tub and bowls. A small circle fibre for cleaning vegetables, hanging by the kitchen sink. A small wire one with long limber bristles for brushing egg or cream over the hot rolls or bread. A wire bristled one right by the kitchen stove will clean sticking griddles and waffle irons like magic.

No brush list would be complete without naming the opened one used for cleaning Venetian blinds. In short, better brush up on your brushes to finish the housecleaning job and for general use and time savers.

### The Moth Hole Solution

Check moth hole activities by waging an annual war against the whole moth family. Storage may mean waste during the summer months, if care has not been taken in preparing the garment for packing away.

Thorough washing with an abundance of soap and water is the safest guard known for storage pieces. When this cannot be done, dry cleaning, airing in the wind and sun and hard brushing is recommended. Be certain to brush carefully along the seams of pockets, leaving them turned inside out during the storage time.

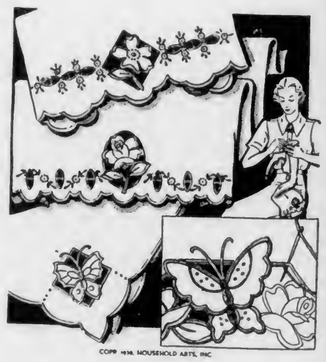
Do not rely on patent preparations for prevention of moths, unless moth eggs and larvae have not already been laid on the cloth surface. A reliable spray is excellent.

### Garden Hints

Mix sand with seeds like carrots, parsnips and parsley; it is so slow germinating, the sand outlines the rows for cultivating. A few radish seeds also mark the rows, and when ready to use, can be pulled without disturbing the other plants.

Frost-proof cabbage set in May spells new cabbage for Fourth of July dinner. Honest, no foolin'!

Let the neighbors know you have some extra garden "sass" for sale; this can be made worthwhile all season. Advertise.




### Easy Cutwork—Pattern 6237

Anyone who can do simple buttonhole stitch (that's all cutwork is) can be the giver of tasteful gifts this Christmas. Here are a number of lovely motifs suitable for those smaller useful linens—scarfs, towels, pillow cases and tea cloths. Begin now. Pattern 6237 contains a transfer pattern of 14 motifs ranging from 3 x 3 inches to 3¾ x 15 inches; materials needed; color schemes.

Send 10 cents in coin to **Everybodys Poultry Magazine, Needlecraft Dept., 82 Eighth Ave., New York City.**

**One feed manufacturer has solved the problem of what to do with used feed bags. Kasco Mills, Inc., is now putting its feed in colorful, cotton print bags which can be used to make dresses, smocks, play suits, children's clothing, curtains, pillowcases and many other articles. The material, often referred to as "Linene" in retail stores, is dye and tub-fast. It comes in 22 patterns.**

### Winners of $1.00 Awards in Housecleaning Hint Contest

WINDOW SHADES—If you are planning new window shades for your kitchen, save the old rollers, buy Indian Head material of the required width and make your shades. They launder beautifully and last for years. — Mrs. Byron A. Briesch, Ringtown, Pa., R. 2.

SOAP DISH—When housecleaning, hang a wire soap dish over the edge of the pail of cleaning water. The soap will always be handy and the soapy water drips into the pail.—Mrs. A. R. Stacy, Shiloh, Ohio, R. 1.

WINDOW POLISH — Windows rubbed with tissue paper after they have been washed with a chamois skin wrung out of one quart of warm water to which a tablespoon of ammonia has been added, will have a brilliant polish.—Mrs. Geo. F. Munson, Mayville, N. Y., R. 1.

### *Home Page Bulletins*

**Sandwiches for School Lunches**—Suggestions that will make the school lunch more tasty and more healthful for the youngsters. More than 20 different sandwich fillings.—6 cents in stamps.

**Steamed Puddings**—You'll be surprised at the variety of steamed puddings that can be made. Tried and tested recipes. Also includes nine recipes for sauces.—6 cents in stamps.

**Favorite Cookies** — These are the favorite cookie recipes of our readers. Usually made for Christmas, but good any time of the year. Aunt Sally tested them herself.—6 cents in stamps.

**Send stamps indicated to Everybodys Home Page, Hanover, Pa.**

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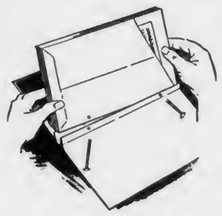

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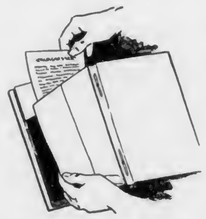

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These 11 brieflets, covering diseases, housing, feeding and management, would cost you 39 cents if you sent for them alone, but they are included free with the Scrap Book.

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# Science Marches On!

By Carl H. Schroeder

**A survey on Infectious Laryngotracheitis** has been published by Dr. W. R. Hinshaw of the University of California (Bulletin 520). The bulletin is not of recent date but it deserves review because it answers some of the questions which a flock owner usually expresses when an outbreak of laryngotracheitis occurs in his flock.

Records of 75 flocks showed a death rate ranging from zero up to 47 per cent, with an average of 11 per cent. The average course of the disease was 15 days, ranging from 4 to 39 days. In a group of 25 producing flocks, 85 per cent of all deaths occurred within 15 days, and 98 per cent within 21 days. The greatest mortality occurred on the 11th day.

The lowest production was reached 18 days after the onset of the disease, or about one week after heaviest death rate. Production started to drop on the 5th day. On an average, it took 34 days before the production was the same as before the outbreak occurred. The money lost by deaths was about four times as great as the loss due to reduced egg yield.

Weather, surface features of the land and housing did not appear to have much predisposing influence on the susceptibility of the birds. There appeared to be a seasonal trend for a greater number of outbreaks in late fall or early winter; the extent to which the weather might have influenced this trend could, of course, not be determined.

Overcrowding and continuous brooding definitely influence yearly occurrence and spread.

Once the disease attacked a flock, yearly outbreaks were common among replacement stock and the few birds which previously escaped infection.

It should be noted that infectious laryngotracheitis is not identical with infectious bronchitis, even though some of the symptoms are similar and even though the disease in question is frequently, but erroneously, referred to as bronchitis or infectious bronchitis.

• • •

**Factors influencing fertility** are still largely a subject of speculation rather than definite knowledge. Recently Dr. Generales published some valuable data which sheds considerable light on the subject. He found that the shape of the male sperms, as measured under the microscope, influences fertility. Frequent matings reduced the amount of semen. No relationship was found between the amount of semen and the number of sperms it contained per cubic unit. There are indications that at least some of these observations made by Generales in the field of human physiology are also applicable to poultry. For instance, there is some evidence that rest periods tend to increase the fertility of males, especially in the case of turkeys. (Biometric Investigation of Spermatozoa and Fertility, by Dr. K. D. J. Generales, Jr., Publ. by Ferdinand Enke, Stuttgart, Germany).

• • •

**Litter materials for chicks** were compared at the Philippine University. The merit of the litter was appraised on the basis of weight gains, death rate and general appearance of the chicks. Subjected to comparison were: sand, rice hulls, rice straw, shredded newspaper, wire floors and bare concrete floors. Rice hulls ranked first, followed by rice straw and by sand. Shredded newspapers had a definitely unfavorable effect.

• • •

**A new form of coccidiosis** is reported in the Cornell Veterinarian (Vol. 28, No. 4) by P. P. Levine of the New York State Veterinary College. This new coccidium, Eimeria Hagani, differs from other species by the important fact that its entire life cycle takes place in the intestines of the chicken. Birds resistant against other coccidia are not necessarily immune to this new species. Infected birds usually show normal hemorrhagic spots, pin-head in size, in the wall of the duodenum and intestines. Severe cases result in a catarrhal enteritis accompanied by mucous casts. It is not known whether the usually recommended control measures are effective against this new form of coccidiosis.

• • •

**Is coccidiosis passed on to the chick on the hatching egg?** This question has been studied by C. C. Ellis of the New York State Veterinary College. Recording his findings in the Cornell Veterinarian, (Vol. 28, No. 4) he reports that under conditions approximating those of normal egg incubation the life of the coccidium of the species studied (tenella) does not extend beyond one or two days. Fertile eggs contaminated with coccidia, hatched normally and no evidence of infection could be found in the chicks.

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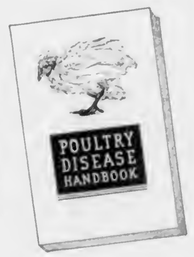


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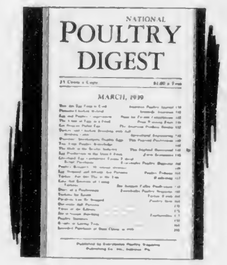


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# EVERYBODYS POULTRY MAGAZINE

**10 CENTS**

**AUGUST-SEPTEMBER 1939**

See Page 6

**Seventh World's**
**Poultry Congress**

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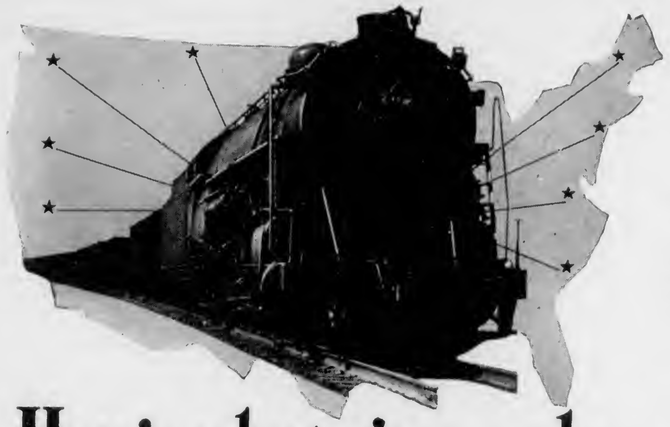
PAGE 6



# Here's what gives value to your crops!

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## *This Month* With Your Flock

### Keep Body Weight Up!

Good pullets deserve the best feed you can give them. A well-balanced, complete ration is necessary for heavy production and maintenance of body weight. Check body weights at regular intervals to be sure your pullets put on weight. Beware of any drops!

### Use Lights on Old Hens

Step up production in your old hens this fall before you market them by turning on the lights as soon as necessary to provide a 13-hour working day. Avoid any sudden changes in lighting, however, to prevent throwing birds into a molt.

### Check Your Hopper Space

Don't crowd your birds at the feed hoppers. At least a foot of hopper space is necessary for each four or five birds. Four inches per bird is better yet, and will allow most of the birds to eat at one time.

### Need a Hospital Coop?

Do you have a hospital coop where you can put sick or injured birds? You need such a place where a pullet can recover from a cold, picking, or some other ailment without being bothered. It's better for the flock, too, to remove inactive non-producers.

### Prevent Leaks Around Nails

An effective way to prevent leaks developing around nails holding down roofing material, is to cement a 3-inch wide strip of cloth firmly over the nails, while the nails still hold tightly. The fibres in the cloth form a tight seal that will last as long as the roofing itself. This is good leak insurance!

"Heavens Betsey!—Th' boss is determined to speed up egg production, Ethel!!"

# Through the Editor's Specs

**An Industry Achievement** Any doubts as to the importance of poultry and its position in the scheme of American agricultural should have been dispelled by the great drama staged by poultry industry in Cleveland. The Seventh World's Poultry Congress, we are told, drew an attendance of 851,300. Nothing like it has ever been staged by agriculture before. With but few exceptions, its magnitude surprised those who had most to do with its presentation.

The success of this gathering is a tribute to the ability and organizing genius of that group of individuals delegated by the poultry industry to assume the responsibility of staging this event–a tribute to General Chairman James E. Rice, Secretary General W. D. Termohlen, Managing Director Sidney A. Edwards, the executive board members, and the many others who shared in this achievement with their work on state committees or in other capacities.

The spirit and enthusiasm which caused poultry raisers to swarm to Cleveland was conclusive evidence of the widespread interest in poultry. It was a revelation that poultry raisers are keen and alert to ideas that may enable them to do a better job. How else can the unusual attendance be explained?

Financially also, the Congress was a success. The tidy sum remaining should furnish a fine start for a national educational program for egg and poultry consumption. Having discharged its duties so well, the Congress executive board, which on August 5 was empowered to develop plans for presentation to the industry by the beginning of 1940, should be well fitted from its vast experience to assume this new job.

**Ups and Downs Preferred** The recent revival of activity in the government's 1939 egg buying program, which began on May 23, raises the question as to whether or not we in the poultry business will eventually find ourselves confronted with some of the troubles which have beset cotton farmers, dairymen and others whom the government has attempted to help by bolstering prices of their products through various means.

All the crop restrictions and the loans on cotton haven't solved the cotton problem. Because of artificial prices, sales of cotton to other nations have fallen off. They have found other sources. Last year's cotton exports were far below those of the dark days of 1932.

When the government withdrew its support from the butter market, prices cracked. Among the fluid milk producers, the problem seems to be one of heavy over-production brought about by artificially fixed prices.

The late spring egg buying program of the government apparently was undertaken for its psychological effect in discouraging excessive storing of eggs that cannot be held very long. Heavy dumping of short-held eggs on the early fall market could have a depressing effect upon fresh egg prices.

Maybe the government's buying in the late spring was a strong factor in cutting the June and July into-storage movement below a year ago, but if the buying is continued into the fall months, it would appear as though one step in pegging the market must only lead to another. It is simply a postponement of an adjustment that will have to be made some time.

[Please turn to page 26]


AUG.-SEPT. 1939 **Everybodys Poultry Magazine** Vol. 44, No. 7

C. N. Myers, President
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# It's Time to *House the Pullets*

*Get Off to a Good Start by Doing this Job Well*

By Carl O. Dossin

The poultryman who fills his houses with strong, healthy, carefully graded pullets, maintains high feed intake and and follows good poultry practices, has a good start toward a successful year.

J. C. Allen Photo

RETURNS from the laying flock are materially affected by the attention given to the many details of management. At this season of the year, housing of pullets is one of the poultryman's many problems. He must bear in mind that the birds are subjected to marked changes in management when taken off the range and confined to laying quarters. The transfer should be made with as little disturbance to the birds as possible.

### Preparing the Laying House

Before any pullets are housed, it is a good practice to clean and disinfect the laying quarters thoroughly. The mash hoppers, drinking fountains, and nests should also be included in the cleaning program. The roosts and roosts supports should also be treated with a red mite paint. All of this work should be done several days in advance of the time that the pullets are to be housed so as to give the building and equipment time to dry and the red mite paint an opportunity to soak into the perches. All repairs to the building should be made before the pullets are transferred, so as to lessen the possibility of frightening the birds.

Usually the mash hoppers and drinking fountains used in the laying house differ from those that the birds are accustomed to on range. If it is possible to use equipment in the laying houses somewhat similar to that used on range, the pullets will feel more at home.

Another point to bear in mind is that the pullets on range did not have to work in a deep litter for their scratch feed. Only a thin coating of litter should be put on the floor of the laying pens when the pullets are first housed. Additional litter may be added as the birds become accustomed to scratching for their grain.

Some poultrymen have solved their damp litter problem during the winter months through litter management. Instead of changing it every few weeks in the fall and winter months, they leave the broken litter on the floor and add a small amount of bright, clean litter to it. By this method a deep layer of insulation material is formed. This layer then prevents the cold air from the floor from coming in contact with the warmer air in the pen. Warm air carries more moisture than cold air. If the warm air is chilled by contact with colder air, the moisture in it will condense and may settle.

The litter does not get as deep as one might expect when this plan is followed, for it is necessary from time to time to throw out some of the litter that becomes damp around the drinking fountains and by rain coming in the front of the house. If the litter should become more than 4 or 5 inches deep, some of it may be removed or at least that is the practice followed by some of the poultrymen. One must start to build up this layer of deep litter during the early fall, so as to have several inches of it on the floor before cold weather arrives.

### When to House

There is a difference of opinion as to whether it is best to house early pullets before they start to lay or to

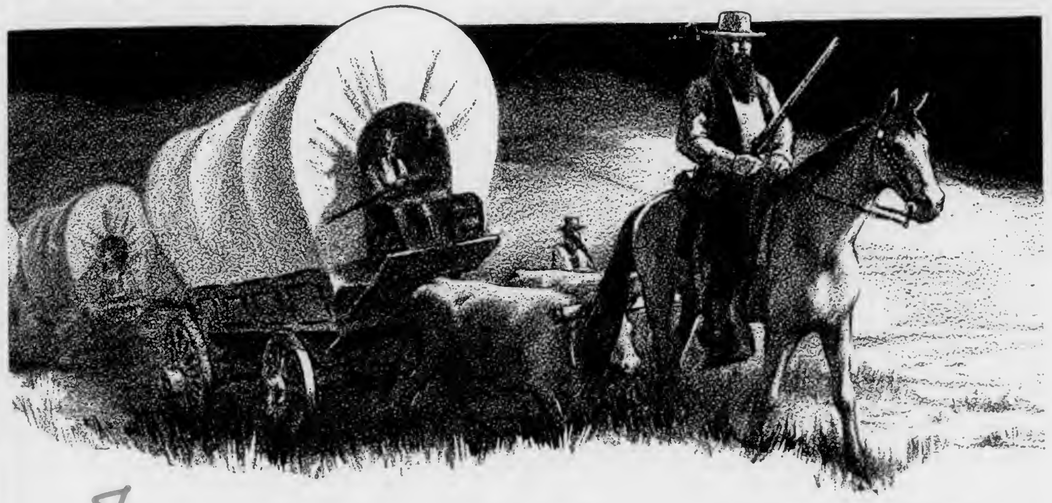
[Please turn to page 12]

**Do These Things . . .**

1. Clean and disinfect the laying quarters, including all of the equipment.
2. House the pullets just before they are about to begin laying.
3. Use only a thin coating of litter on the floor at first. Pullets that have been grown on range are not accustomed to working in litter for their grain.
4. Provide sufficient ventilation. The pullets have been accustomed to fresh air.
5. House well proportioned pullets with all the indications of vigorous health.




## Blazing a New Trail in Sustained FEEDING Birds for HIGH PRODUCTION



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By Roland C. Hartman

Mrs. Homer Hixson, Gainesville, Fla., (left) receives the $1,000 check from Mrs. Lottie Randolph, Ohio Department of Agriculture, as first prize in the Egg Meal Menu Contest of the Congress

THE poultry industry gave emphatic proof of its importance at Cleveland. In the Seventh World's Poultry Congress and Exposition held there July 28 to August 7, the poultry industry staged by far the largest agricultural show ever held in the United States. Some 851,300 people, according to the management, passed through its gates in the 11-day period.

It was big, in fact, so big that its peak attendance of 117,000 on Monday, July 31, was greater than that of the New York World's Fair. Cleveland hotels were jammed. Restaurants did a substantially greater business. Cleveland newspapers said it was the largest gathering that had ever come to that city. There were visitors from more than 40 nations. From the license plates on cars parked around the Public Auditorium, it appeared as though every state was represented.

### Cleveland Has Gala Appearance

The city of Cleveland took on a gala appearance for the event. Thousands of banners carrying the official Poultry Congress emblem were used in decorating the streets in the downtown section. It seemed as though nearly every store window contained some mention of the Congress. One large department store issued a special booklet welcoming Congress visitors to Cleveland. Others had elaborate window displays.

On the cover of this issue are shown Karl Vetter, Germany, president of the World's Poultry Science Association, Ohio's Governor John W. Bricker, and Secretary of Agriculture Henry A. Wallace just after the release of 1500 pigeons in front of the Public Auditorium at 9 a.m. on July 28. These pigeons carried greetings from the Congress to all parts of the United States.

A few minutes later, Secretary Wallace snipped the ribbon at one of the entrances, signifying the official opening of the Seventh World's Poultry Congress. He was then taken on a hurried review of the 22-acre exhibition grounds in the company of Governor Bricker, Mayor Burton and Poultry Congress officials, pausing to examine some of the exhibits that caught their interest as they made the rounds.

Visitors soon realized that the Congress covered a lot of space. They were glad to drop into comfortable chairs in the exhibits. The lower floor of the Public Auditorium and the Underground Exhibition Hall were termed the Hall of Industry. It included the Pageant of Poultry, the exhibits of poultry farms and poultry organizations, the transparent kitchens, and the commercial exhibits. The 222 exhibitors bought space valued at $135,000.

From the Underground Exhibition Hall, visitors could proceed over the bridge spanning railroad tracks to the Hall of Nations and States and the Hall of Poultry along the lakefront. The general sessions and the popular program were held in the main arena of the Public Auditorium, while the consumer program, scientific meetings and group discussions were held in other rooms in the same building.

### Governor and Mayor Welcome Visitors

At the welcoming day program in the arena on Friday afternoon, July 28, Governor Bricker and Mayor Burton extended greetings to the delegates and visitors, and General Chairman James E. Rice responded.

"It is only by meeting and collaborating that those engaged either in the poultry business or in its scientific aspects can make their work most effective," declared Karl Vetter, Germany, President of the World's Poultry Science Association, in his address. He expressed the hope that the Congress would prove successful not only in the field of science, but that it would perhaps be a stout pillar in the structure of international understanding.

Our own Secretary of Agriculture, Henry A. Wallace hailed the gathering as "an illustration of the fact that people everywhere have similar natures, feelings, and problems."

### 12 Per Cent of Farm Income

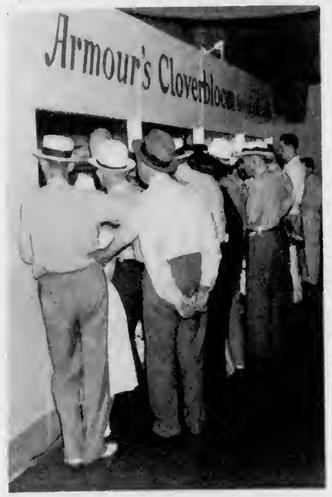
The Secretary pointed out that the poultry industry has progressed rapidly, revealing that in 1938 poultry and eggs produced more gross income in the United States than any other one farm commodity except milk, cattle, and hogs. Poultry and eggs produced nearly $1,000,000,000, or about 12 per cent of the total farm income in contrast to about 5 per cent 50 years ago.

The welcoming parade in which Cleveland nationality groups, civic organizations, bands and drill units

[Please turn to page 20]



The Armour demonstration on dressing and packing poultry drew big crowds at each of its regular performances.



A demonstration in progress at one of the three Transparent Kitchens. This was a busy place all during the Congress. Besides the regular demonstrations, chefs from leading Cleveland hotel's showed visitors how they prepare some of their egg and poultry dishes.

The Congress made it possible for three old timers who judged at the Pan-American in 1901 to get together. They are C. E. Rockenstyre, 77, Albany, N. Y., Chas. McClave, 80, New London, Ohio, and W. C. Denny, 59, now of Cleveland, Ohio.

The blond maple woodwork and the plastic transparent hens in the Dr. Salsbury exhibit created quite a sensation, and the more than 60 Salsbury men, working in shifts, were kept busy giving explanatory lectures to the visitors. One transparency showed the organs of a normal healthy hen, while two others revealed the contrasting effects from diseases and parasites.

The scarlet-coated Canadian Mounties proved to be the entertainment hit of the Congress. Nearly 20,000 people, occupying positions of vantage, saw the July 31 performance of these hard-riding troopers.

# Congress Sidelights

*Interesting bits of news gathered at the Seventh World's Poultry Congress by staff members in their work of covering this great poultry exposition.*

General Chairman James E. Rice, left, listens to Harry Atkins, chairman of the live poultry competitive show, tell about the unusual breeds on display.

Cleveland's newspapers did a fine job of reporting the daily happenings at the Congress, and their reporters and cameramen were on the job wherever some special event was taking place. Numerous editorials and editorial cartoons on the Congress were published. But they insisted upon calling the event a "poultry show" instead of a "congress and exposition."

• • •

*"What do they do with these frozen eggs, ship them to Alaska?" one man asked at the American Frozen Egg Industry exhibit, where eggs were being broken and prepared for freezing.*

• • •

The most valuable chicken in Cleveland during the Congress was not even at the Congress and Exposition! It was located in the window of H. W. Beattie & Sons, jewelers, on Euclid Avenue. This bird was a magnificent rooster made of more than 1500 precious stones, including diamonds, rubies, emeralds, sapphires, topaz and onyx, and was valued at approximately $100,000. This model was made especially in honor of the Congress and took three days to assemble.

• • •

*Koko the Clown had a lot of fun with the ladies. One of his favorite tricks was to offer a lady a rose and then have her walk off with just the stem!*

• • •

The May Company window on the Public Square of Cleveland attracted much attention during the entire Congress. From a microphone above the window came sounds of hens cackling and a rooster crowing. In the center of the window was a large sphere representing the earth with

The completion of the turkey industry exhibit was delayed for several days, but it proved to be a very popular exhibit with its model turkey farm and colorful pictures of turkey breeds.

Congress visitors jammed the aisles when the Stonemo octet went into action four times daily with spirituals and southern songs at the booth of the Stone Mountain Grit Co., Inc. This popular singing group was composed of students from Clark University in Atlanta, Georgia.

By strange coincidence, the Oklahoma college judging team, which shared top honors with Missouri, was composed entirely of Cleveland boys, but they were from Cleveland, Okla. They were, from left to right, Raymond Butler, Elton Johnson and Harry Hathaway.

I. D. Russell made a hit with the ladies when he supplied corsages to all of them who were going to the I. B. C. A. banquet, a practice which he has been following for several years at I. B. C. A. conventions. He is here presenting a corsage to Mrs. S. R. Jack, Hamlet, Ind.

little toy chicks placed on various countries over the entire globe. This split in the center, with the halves moving to each side, showing a farmer boy and girl holding a banner — "Welcome Delegates and Visitors from All Over the World." On the right of this globe were two animated hens pecking at feed. On the other side of the window was an old fashioned coop containing a hen with a brood of chicks on a revolving plate, moving through the coop.

• • •

**There probably weren't any steaks prepared in Cleveland's restaurants during the Congress as big as those the Osage Indians cooked in real Indian fashion for official guests at the Indian tepee on August 2. Those steaks were two feet long.**

• • •

There were smiles on the faces of most Cleveland business people during the Congress, but just about the happiest persons in town were the parking lot owners. J. S. McGill, manager of a lot right near the Cleveland Auditorium, had to put his lot on a 24-hour basis, which was something he "never expected to see." On one day he had 18 buses from out of town in his parking ground.

• • •

The Congress tour to Percy White's commercial poultry farm and to the Ohio Agricultural Experiment Station proved to be the most popular of all Congress tours. Three buses carried 96 persons, and there were many more who drove along in their own cars. In this group were visitors from Russia, Germany, Hungary, Sweden, England, Scotland, Wales, Ireland, Belgium, Denmark, Canada, Cuba, Dominican Republic and Palestine.

• • •

**Koko the Clown didn't mean to be taken seriously at any time during the Congress except the first afternoon of the consumer program when he stated, "I have never been a part of anything in 40 years of the show business as great as the World's Poultry Congress."**

• • •

**When announcements over the public address system failed to produce 10-year old Dale Bowman, East Liverpool, Ohio, who had become separated from his parents, Congress police and boy scouts formed a net which finally found Dale in the Hall of Live Poultry.**

**"I wasn't lost," Dale exclaimed, "I wanted to see the birds."**

• • •

There were all sorts of Congress breakfasts, luncheons and dinners, but none compared with the genuine hobo dinner prepared on Saturday, August 5, for Mayor Burton, Poultry Congress officials, Osage Indians camping at the Congress, and some 175 other guests. This dinner was made by Jeff Davis, "King of the Hoboes," and consisted of Royal King Gump Mulligan stew. It took Mr. Davis all day to

[Please turn to page 14]


# HELP BOOM EGG PROFITS WITH THE FUL-O-PEP SAVE-ON-FEED PLAN!

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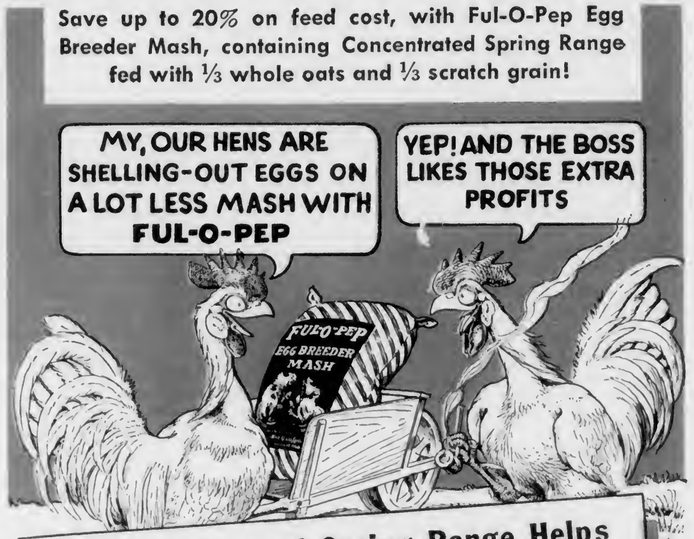


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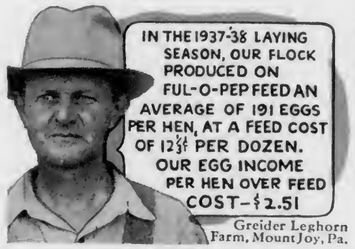


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### Feeding to Hold Back the Pullets

Q.—I have had trouble the last two years with the pullets molting soon after being housed for the winter. How can this be prevented, and what method of feeding would you advise to keep them from laying too early, before reaching full growth?—Mrs. R. C. J., N. Y.

A.—The trouble that you had the past two years is a common experience with poultrymen who have pullets that come into production much before the middle of September. However, this fall moulting can be avoided, even with pullets that start to lay at a much earlier date.

Probably the main reason for this trouble is that birds begin to lay before they are developed sufficiently to carry them through a heavy laying period. No matter when a pullet comes into production, she should have good body size and carry some surplus fat when she starts to lay. The necessary weight will not only help her to go through a longer laying period with good production, but will enable her to lay larger eggs. This large body size tends to make the birds more resistant to diseases and better able to continue without molting.

The most common way to hold back the pullets so as not to start laying before they are fully developed and have good body size and weight is to encourage the pullets to consume more grain. This tends to lower the protein content of the ration, reducing the rate of growth, but allowing the birds to build bigger bodies and put on more fat. It may be necessary to close the mash hoppers about the middle of the afternoon so the birds will eat more grain, or to feed only the amount of mash that you want the birds to clean up that day.

### Causes for Picking Among Pullets

Q.—I am having trouble with my hens picking one another. I give them 3½ square feet of floor space per hen. The nests are built so they cannot pick at the time they are laying. Most of this happens in my young hens that I have just put up. If you can offer any suggestions to remedy this trouble I will appreciate it very much.—C. B. W., Md.

A.—Picking among pullets is generally caused by overcrowding, but since you allow 3½ square feet of floor space per bird, crowding probably is not the source of your trouble. When the pullets begin to lay their first eggs, part of the oviduct protrudes and if the birds are not in secluded places, other pullets seeing the tender, red portion of the vent, pick at it and with the first flow of blood, cannibalism begins. This is especially so when pullets are just brought into new laying quarters, for they are not all accustomed to laying in nests yet, and are on the floor and at the mercy of the other birds when they begin to lay.

Thus, even though you provide good nests for your birds so that other birds cannot pick at those which are laying, all of the pullets which are just brought into the house may not use these nests and they are probably the ones which are picked first. Other sources of this trouble among layers are too few nests; too little hopper and fountain space; empty fountains and hoppers; allowing the birds to become too fat so that the oviduct protrudes from the vent; constipation; skin irritation caused by lice, mites and molting.

Removing lighting boards from the lower tier of nests is found helpful by some poultrymen in keeping birds from picking at those on the nests. Other poultrymen find it necessary to darken the entire house at the first sign of cannibalism by unrolling window curtains of some dull, dark material, preferably red in color.

Many other poultrymen find it advisable to install a commercial anti-pick device on each bird. Various different types are available, practical and economical. It is wise to put these on pullets before they are in heavy production in order that the birds do not have a setback. Keep a close watch on the flock to note the first evidence of cannibalism. Serious trouble can be avoided by catching the first offender right at the start. Have catching hooks handy so that you can catch any bird picking another.

Keep the birds active. When they are busy at the feed hoppers and water fountains, and are on the nests, they do not have time to pick one another.

• • •

Do you know how to use lights to get the most eggs from your layers during dark winter months? If you want some helpful information on this subject, write to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., enclosing a 3-cent stamp, and ask for Brieflet M-84, "Artificial Lights in the Poultry House."


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At this time of the year, during hot weather, there is greater need for a supply of Wood Charcoal in every poultry yard. The appetite of fowls becomes impaired, they "Go Off Feed" and ofttimes develop a bowel trouble.

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# *The Situation* BRIEFLY REVIEWED

**Egg prices** have remained in a weak, depressed condition throughout June, July and the first half of August. Egg purchases by the Federal Surplus Commodities Corporation to prevent further sag in the market totaled 189,274 cases from May 23 through August 5.

Nearby special whites on August 23 sold for 24½-25 cents a dozen on the New York market, compared with 28½-34 cents a dozen on the same day last year. Nearby special browns brought 22½-23 cents a dozen this year, compared with 30½-31 cents a year ago. Mixed color firsts were 16¼ cents a dozen on August 23 this year and 22 cents a dozen on the same day last year.

**Egg production**, as indicated by receipts at the four leading markets (New York, Chicago, Philadelphia and Boston) from June 1 to August 12, was 7.8 per cent greater than that for the same period last year, but 2.7 per cent less than that for the same period in 1937.

**Egg consumption**, as shown by trade output at the four major markets during the eight weeks ending August 12, was 16.8 per cent greater than that during the same period last year.

**Cold storage holdings of shell eggs** on August 1 were 9.4 per cent greater than those on the same day a year ago, but 10.8 per cent less than the August 1 five-year average, 1934-38. Frozen eggs in storage on August 1 were 5.6 per cent more than those in storage on the same day last year, and 9.8 per cent more than the August 1 five-year average. Total case equivalent of both shell and frozen eggs in storage August 1 was 8.0 per cent greater than that of August 1, 1938, but 4.4 per cent less than the August 1 five-year average.

**Total frozen poultry holdings** on August 1 were 23.7 per cent greater than those on the same day last year, and 26.2 per cent more than the August 1 five-year average, 1934-38.

*In Laying Houses as in Brooders*

**PIC Peat Litter SAVES LABOR**

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Here's why. PIC Peat Litter—the same litter you used in brooders—keeps floors dry and is non-inflammable. It absorbs disease-spreading moisture and objectionable odors. Good in insulation value—it helps keep birds warm. More feed goes for egg making—less for body heat. And, most important, PIC Peat Moss Litter is of finer quality, through aging. Exhaustive tests prove it lasts longer under the feet of scratching hens than any other Peat Moss on the market.

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## *It's Time to House the Pullets*

[Continued from page 4]

provide nests for them and allow them to stay on range during warm weather. If the laying houses are poorly ventilated and hot, this would probably be the best practice to follow. There is, however, a good possibility of these birds going into a molt when housed unless some adjustments in management are made to maintain high feed intake. It is generally considered good management to use lights and moist mash or pellets on these birds as soon as housed.

Most poultrymen like to house their pullets just before they are ready to lay. They are of the opinion that they have their birds under better control when in the laying houses. Then, too, if the laying houses are satisfactory it requires less time to care for them for they are in larger units and closer to the center of farm activities. There are also fewer soiled eggs gathered from confined birds than from pullets on range. The most important reason for moving them to laying quarters before they start to lay is, however, that they are less likely to be upset.

### Have Laying House Well Ventilated

The pullets on range are probably roosting in the trees or open shelters. Under these conditions, they are cool and getting plenty of fresh air. The conditions in the laying house should be made just as comfortable and as near like they had been accustomed to on range as is possible. Provide cross ventilation by opening the windows in the front and rear of the house, but take precautions against drafts in windy and wet weather.

Also provide 6 to 8 inches of roost space per bird depending upon the breed. For Leghorns allow at least 3 square feet of floor space and 4 feet for dual purpose breeds. If pullets are overcrowded in hot, poorly ventilated houses, their vitality will be lowered and will be subject to some of the fall poultry diseases.

### Time of Day to House Pullets

After one is satisfied that the pullets are mature enough and the laying quarters are ready, then preparations for the transfer of the pullets should be made.

Should the pullets be moved at night or in the daytime? Under some conditions the transfer can be made with less confusion at night than at any other time. If pullets are closed into shelters or brooder houses each night, and the buildings are so constructed that catching coops can be used, the poultryman can do a better job of grading and culling if the pullets are caught just about daybreak. The poultry coops should not be overcrowded and enough help should be available so that the nervous pullets will not be kept confined in the coops for any length of time.

If the pullets are roosting in trees, some poultrymen catch them at night. If the trees are high, this is quite a task. A trick worth trying is to let the birds go without feed for about a day so that they will get real hungry. Then scatter feed in the brooder houses or else in a small wire enclosure so as to be able to trap some of the birds.

### What to House

All pullets of the same age do not mature at the same time, so it is necessary to do some grading. If possible, confine those birds of approximately the same size and sexual development in the same pen. If large mature birds and those less developed are housed together, the smaller birds will not have an opportunity for proper development.

The ideal type of pullet will have a short blocky head with well developed comb and wattles and the eye full and round. If any amount of paralysis has been present in the flock, then the pullets with gray eyes and irregular pupils should be discarded or else housed together so that they can be closely watched. Experimental work has shown that mortality from this type of bird is much greater than from those with normal eyes.

The birds should have well proportioned bodies with a heavy coating of meat on the breast. An abundance of yellow pigment in the legs and beaks of yellow skinned breeds is a good indication of health.

The small, less developed birds should be allowed on range for several weeks after the other birds are housed. If after a period of two or three weeks these birds do not come along, they should be discarded. All pale legged, deformed, stunted birds and those with very bad eyes should be sold for meat.

The poultryman who fills satisfactory houses with strong, healthy, carefully graded pullets, maintains high feed intake and follows good poultry practices has a good start toward a successful poultry year.


**A good start to *Profits***

By Controlling Large Roundworms and Tapeworms

- Treat all pullets with Iodine Vermicide before putting them in laying houses.
- This treatment does not interfere with egg production.
- Iodine Vermicide Merck stimulates birds to greater egg production.
- It is easy to use.

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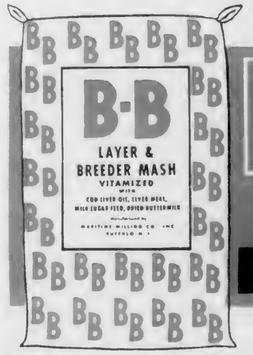
Here's production and feeding cost figures compiled by an exclusive B-B Feeder (name on request) for a six months' period:

| Month | No. Birds | Total Eggs | Feed Cost Per Dozen |
|---|---|---|---|
| Jan. | 320 | 4563 | 11.6c |
| Feb. | 320 | 4773 | 10.17c |
| Mar. | 320 | 6429 | 6.9c |
| Apr. | 310 | 6397 | 7.8c |
| May | 295 | 6077 | 8.0c |
| June | 275 | 5127 | 8.2c |

Other extra values they enjoy thru feeding B-B exclusively are premium price egg quality, maximum hatchability and freedom from soft or poor textured shells.

These several advantages clearly add up to one result: Poultrymen find they make larger profits when they follow the B-B Complete Program of Feeding and Management. So why don't you ask us or your B-B dealer for a free copy of this practical and economical program and get started on it now?

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Turn your wormy birds into layers for as little as 1¢ each. Give each bird a Pratts "Split-Action" Worm Capsule. It releases two different worm treatments hours apart and does the work of two ordinary worm treatments. Here's the proof:

By actual laboratory count, one "Split-action" Capsule removed these worms from just one (1) hen:

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This "Split-Action" Capsule treated several kinds of worms. Authorities warn other capsules that release both drugs together may not be effective.

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● If you dress 25 or more birds at a time, we can save 30% of your picking cost. This new Lincoln Automatic Wax Heater and Scalder will do the job faster, give you a cleaner carcass with natural skin color than is possible with hot scalding.

**INVESTIGATE TODAY** ● Consists of two units, a semi scalding tank and a wax heating tank. Temperature held within two degrees by thermostats. Ring heater, will not burn out if water boils away. Double metal walls, insulated for economical operation. Moves on casters. Reasonably priced. Write for free literature.

LINCOLN MANUFACTURING CO. NEW BRUNSWICK, N. J.




## Congress Sidelights

[Continued from page 9]

prepare and cook the 20-some chickens, mushrooms, carrots, cabbage and all the other ingredients that went into this elaborate dish.

The Congress helped in staging this hobo dinner by landscaping with evergreens a piece of ground down by the railroad tracks. The stew was cooked in new wash boilers over an open fire and was served in new tomato cans. Mr. Davis said the idea was to "teach the public that they could make real Mulligan stew out of chicken."

• • •

**One of Connecticut's crack membership salesmen for the World's Poultry Congress discovered when he arrived in Cleveland that he had come away and left his own membership certificate at home.**

• • •

**In discussing the success of the Seventh World's Poultry Congress, Elmer H. Wene, Vineland, N. J., declared, "America leads the world today, by right of a peaceful conquest, in a grand new industry that has been demonstrated to the world as scientifically, economically and ethically sound and substantial."**

• • •

C. J. LeFleur and E. H. Kieser of Kasco Mills, Waverly, N. Y., and Toledo, Ohio, enjoyed a liberal education in the high cost of feminine grooming during the Congress. The sweet young ladies engaged to model the clothes made from Kasco Feed sacks explained, at a time when it was too late to turn back, that the ensemble was the order of the day. An evening gown could not be modeled without dainty new slippers to match. Sport clothes and play suits would need corresponding shoes and accessories. Of course, a permanent wave for the hair and a manicure for the nails. Just a simple routine with the ladies, but a new experience for the gentlemen.

• • •

**The Congress made light of distance for M. L. Rushmore, representing Merck & Co., Rahway, N. J. On a Thursday afternoon, and all at the same time, he entertained in his booth, distributors for his products from Quebec, California, and Florida.**

• • •

Looking in on Andy Christie, famed New Hampshire breeder, I found him in characteristic attire (knickers et. al.), in fine fettle and jolly good humor. Why not? A grand old briar was perched between his lips, 21 more were resting in his lap. Says "Spizzerinktum" Christie: "Don't overwork your pipe. Smoke it slowly—change it often." He had brought two pipes for each day of the Congress.

• • •

The New York World's Fair may have its "Flushing feet," but the Seventh World's Poultry Congress had its "Congress feet." The symptoms were probably the same—a lot of dragging of feet,

**"Scrappy," the 376 egg hen of Walter Chamberlain, Kirkwood, N. J., attracted a lot of interest at the Quaker Oats Company exhibit and also received front page publicity in one of the Cleveland newspapers. This hen laid two eggs on 34 different days in the year that she made her unusual record. On one occasion she laid seven eggs in four days. The girl who consented to keep "Scrappy" company for the picture is Delores Gibson.**

plopping into chairs with pained exclamations of "Oh, my dogs!" One enterprising Cleveland chiropodist went through the exposition buildings, passing out his business cards to any who appeared to be foot weary.

• • •

**Fish and baby chicks mingling together at the bottom of the sea attracted a lot of attention at the exhibit of Philip R. Park, Inc., makers of ManAmar. The effect was created by an optical illusion.**

• • •

Carl Mack, Peat Import Corporation, reported an unusual interest in the use of peat moss for litter in the laying house. Many users stopped to tell him how they had eliminated the litter expense through the use of peat moss, the sale of manured peat litter more than offsetting the original cost of the peat moss.

Another experience, related to him, concerned the fire preventing qualities of peat moss in brooding. Mrs. Pearl Martin, Lakeville, Ohio, told how a brooder stove in a house of 600 chicks became so hot early last spring that it burned a hole in the floor and fell through. Because peat moss litter does not burn, no chicks were lost through fire, and only a few suffocated from smoke.

• • •

**Radio programs originating from the World's Poultry Congress helped to create a lot of interest. There were 26 chain broadcasts as well as others from the Cleveland stations.**

• • •

The aroma of sizzling bacon attracted many to the exhibit of Swift and Company, located near the Transparent Kitchens. An animated pig and a chicken in the background drew attention to the fact that ham and eggs "go together allways."

**Mrs. Atz, owner-manager of a mammoth hatchery at Huntingburg, Ind., paid the World's Poultry Congress a flying visit, arriving on Monday evening, July 31, in her own plane. After a thorough review of the exposition, she left by the same route.**



It's hard to tell whether it was the music of bagpipes and drums, the Highland kilts and leopard skins or the broad smiles on the faces of the Canadian girls, but the Girls Kiltie Band from Saskatoon, Saskatchewan, certainly did attract the crowds wherever they went. Little wonder that a number of individuals and exhibitors supplied funds so they could stay over for several more days before heading north!

• • •

**The City Ice and Fuel Co. of Cleveland, Ohio, had an exhibit which caused a lot of comment, even if it did have to be replaced every day. This was a model of a chicken made out of ice. It weighed about 75 pounds when it started out in the morning and was still distinguishable late in the evening, after melting all day.**

• • •

Men who like to stand when they carve a turkey at the dinner table have a friend in H. L. Shrader of the U. S. Department of Agriculture. "It's a personal privilege," he told housewives at the consumer program, "and if the person carving wants to stand, it is perfectly correct. Furthermore, it does make a little more of a ceremony when you stand."

• • •

**Demonstrators in the Transparent Kitchens attracted crowds throughout the entire Congress, but one woman, at least, did not get a chance to see much of the demonstrations, for her husband pulled her away from the kitchens with the remark, "Oh, they can't cook as good as you can."**

• • •

L. W. Eames, the man with the magic fingers at the Ultra-Life exhibit, demonstrated his almost uncanny ability in diagnosing abdominal and ovarian disorders in chickens with the use of his fingers. He picked up one bird, examined it with his fingers, then predicted he would find three large yolks formed and tuberculosis lesions in the intestines and on the liver. And they were there when he killed and opened the bird.

It is a matter of sensitive fingers that have become skilled through practice. He has already trained three dozen men to do this same type of work.

• • •

**Cleveland Gliereast, auctioneer-manager of the New Hampshire Egg Auction, Derry, N. Y., won the World's Poultry Congress International Egg Auctioneering Contest. Gliereast, a Harvard graduate, became an auctioneer only four years ago after managing the Derry auction for a year and a half. Glenn Lecky, Wooster, Ohio, won second prize, and Charles Wooley, Trenton, N. J., third.**

• • •

Cleaning poultry houses by vacuum! That was one of the latest wrinkles shown at the Congress. Kimber Poultry Breeding Farm's exhibit explained how their pens are equipped with individual outlets through which the litter, wet or dry, is sucked into 6-inch pipes that carry it to a central plant where it can be held until it is sold. The litter sails through the pipes at 88 miles per hour! This is 50 times as fast as the ordinary vacuum cleaner works.

• • •

News about how to prepare smoked poultry by using smoked salt seems to have stirred up interest from coast to coast, as is evidenced by the tremendous amount of enthusiasm shown by Congress visitors at the booth of General Laboratories, subsidiary of Pennsylvania Salt Mfg. Co. Evidently a great many housewives will be serving smoked chicken, turkey and duck this year. Complete information on how to prepare poultry with Old Hickory Smoked Salt can be obtained by writing directly to the Pennsylvania Salt Mfg. Co., Dept. 206, 20 N. Wacker Drive, Chicago, Ill.


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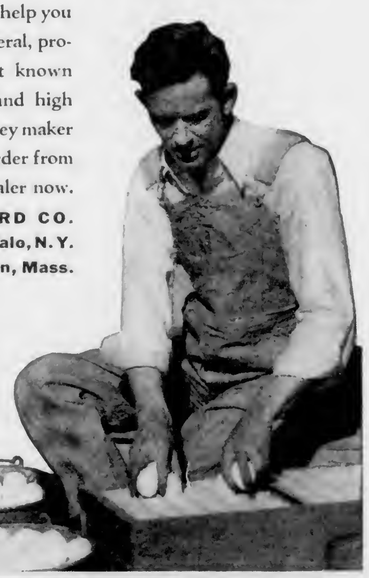

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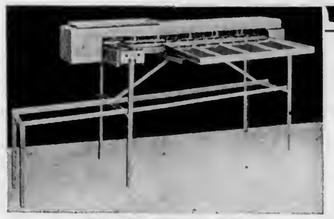

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# THE *Diary* OF A POULTRYMAN

## By P. S. White

Wayne County, Ohio

**Sept. 1**—Auction day for live poultry, and I had two coops of old hens to sell. They won't bring very much in the way of cash money, but the big idea is to get them off of the commissary. Running gears I call them, for when they are run through the "works" on this ranch, there is not very much left but the gears. They ought to make soup stock or at least chicken flavored soup stock if one wasn't particular as to the amount of meat in the soup.

We started cleaning the north house with a vengeance. This is the last house. In a few days all the cleaning will be done for this year.

**Sept. 2**—The return load from town today was five bales of excelsior and seven bags of oyster shell. It certainly does take a pile of material to get the houses ready for pullets. Excelsior, peat moss, oyster shell, creosote, crank case oil or crude oil, brooms, new window panes and a new roof patch.

Next year it will be necessary to replace a few sash in this house. I hope we can patch these up, so they will last another year. A few days ago we replaced four old sash in the east house. They had decayed beyond all redemption. We salvaged the panes that were salvageable and made fire wood of the frames. They had lasted 11 years, and maybe that is the life of a window sash in a chicken house.

**Sept. 4**—Had my hair cut yesterday, so I feel like a new person, although I don't feel like I could win a foot race.

This varmint business has got me down. There has been a let-up in its activities during the past few nights, but it started in again last night. A nice, big pullet was killed and I feel rather let-down. This let-up and let-down business is the difference between profit and loss to me. Traps, dogs and watchful waiting with loaded guns are all of no avail. It looks as if I have just about come to a showdown which means that I will have to let nature take her course. After all, the poor animal has to eat, but it is rather expensive eating as far as I am concerned.

**Sept. 5**—Two holidays in succession. All the help is away celebrating the occasion, so Donnie and I are doing the work. Tomorrow, Donnie starts to school and I will feel so all alone. Sometimes it seems to me that it is pathetic how I depend on him, a 12 year old boy. We talk, plan and work together and almost every day I ask his advise about this or that. It will be with a heavy heart that I will see him and Nancy Jane get on the school bus in the morning, and yet that is the very thing I want them to do. Human emotions are rather queer things.

**Sept. 6**—A new order will have to come about. With Donnie at school, we will have to arrange a new schedule of work. It will, in a way, automatically systematize itself. He will have work to do before and after school, work that will fit in our regular schedule.

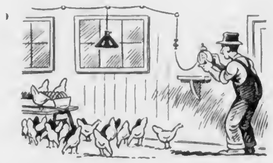
The east and west houses are standing idle, all cleaned up and no where to go, so to speak. They are waiting for the pullets and we are not ready to move from the range.

**Sept. 7**—"Kid" White is not canning many vegetables this year. All the corn, string beans, butter beans or limas are being put in the local cold storage locker plant. They are put up in 2-pound containers, quickly frozen at 12 degrees below zero and then held in our locker at about 10 degrees above zero. The corn is cut off of the cob, with the exception of a few dozen roasting ears, which will be used for special occasions. She also has peaches, blackberries, strawberries, asparagus, dandelion and pokeberry sprouts. The latter is just about the best green feed going when cooked with bacon and dressed with vinegar. I would rather have it than spinach any day, although she has a couple of bushels of spinach in storage also.

". . . I put on a full load of egg cases as a return load."

**Sept. 9**—The pullets are not eating very heavy of mash, but they sure do mow down the grain, mostly corn. We are feeding some wheat also, but it is the corn that seems to be relished the most. I have grown the frame all summer, and now is the time to start putting on the fat. There is a long, hard winter ahead of them with plenty of forcing, so they must be in good physical condition to withstand heavy production.

So far there has been no summer or fall colds. But there should be none as practically all of them are roosting in the trees. I still hold to the idea that a good leafy tree is the best summer colony house. As a rule, our best pullets are the ones that roost in the trees. They are close to nature.



"The old hens are going to get the works in the morning."

**Sept. 10**—Cleaning day once again and a rather quick job at that. The old proverb about a short horse being soon curried holds true also at this time of the year as far as cleaning dropping boards is concerned. When the flock has been reduced through culling and the remainder doubled up, the labor in caring for the old stock is at a rather low point. The picture will change in a month when we start housing the pullets. Then we will have work and responsibility.

At present, it looks as if we might have a dry, warm fall. If this happens to be the case, I think moving into winter quarters will be delayed. It has been my experience that the pullets are better off out doors when we have exceptionally fine weather in the early fall.

**Sept. 12**—The old hens are going to get the works in the morning. I have wound the clock and set it for 4 a.m. This means that it will be time to get up and get busy. I need the eggs. Egg prices are going to be on the up and up and I can always use the revenue. The "revenue" is what makes the wheels of industry turn on this ranch.

The electric lamps have been washed to remove dust and fly specks. I have never understood why flies take special delight in roosting on the lamps. Anyway they are clean now and the light should flow from them like a spring of pure, sweet, distilled water.

**Sept. 13**—Maybe I am counting the eggs before they are laid, but anyway, I put on a full load of egg cases as a return load. I realize that I won't need them all tomorrow, but it is a good policy to prepare for war in time of peace. Probably I am too optimistic, but I have never been able to accumulate too much of anything that is good and valuable. And I think that everything is good and valuable if one has a place for it.

To illustrate the point, the Curry Lumber Company has been carrying some dead stock in the form of four uncalled-for custom built quarter sawed oak doors for 10 years—beau-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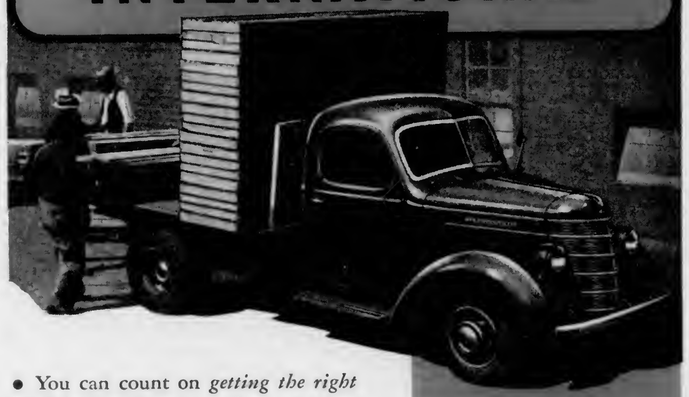

Above: The ½ to 1-ton International Model D-15 with special body.

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tiful doors if one appreciates the natural grain of wood. The doors cost $12.00 apiece originally but the bargain counter price was $1.00 each. I bought the whole works and Kid White and I are going to build a tenant house around those doors.

**Sept. 16**—I have always been told that Friday was a poor day to start a new task. But poor, or bad we started painting the east house. There is no question but what the building needed the paint; it is a common ailment around these parts. And, on the other hand, we have the time for we are away out and ahead of the work. We are actually caught up with the work and looking for something to do.

**Sept. 17**—If I could just get ahead of this varmint out on the range, life would be sweeter yet. Another periodic visit last night with the result that I put the running gears of what had been a fine pullet in the incinerator. It is a phantom varmint, no one knowing whether it travels through the air, on the ground or underneath the ground. Someday there will be a day of reckoning and it will be a Great Day when it comes. This "something" has cost me a lot of money, in fact, so much money that I don't care to add the death sheet. The death sheet only records those we found. I wonder how many carcasses we did not find?

**Sept. 19**—In order to do a good job of painting, it is necessary to prepare the surface to be painted. It seems to me that the actual operation of applying the paint is going to be the smallest part of the job. All of the old paint is being removed by scraper, steel brush, steel wool and sandpaper.

This is the third day Harold and I have been painting the east house and we haven't applied a brush full of paint yet. What I can't understand is why it is that I let the building get in such a condition. The north side is in good shape, but the east, south and west sides are standing in the need of paint. At least three coats will be needed on the west end.

**Sept. 21**—At last we are ready to paint. Tomorrow morning we will start after the siding has dried. It is an awful poor policy to paint over a wet surface. The surface is in good shape. It has been scraped and brushed to such an extent that we are right down close to the cob so to speak. The paint has been prepared, that is, it has been mixed or diluted with oil and turpentine and will stand over until morning. This first coat should be thinned out with oil so as to get a penetration.

It has always been my policy to let paint stand over night before using it. Then we stir and stir before starting to paint. Preparedness is a prime essential when painting.

**Sept. 27**—Didn't have any time to visit with the Auction boys this morn-

"This sash business sure is a job."

ing. Instead I had to get a 5-pound can of putty and hit for home. While this first coat of paint is drying on the east house, I am going to reglaze the sash. The condition of the sash is appalling. There is not one but what doesn't need a good shot of putty. I doubt if 5 pounds is going to be enough, but it will be a start. And, like painting, the first operation in reglazing a sash is to get the sash in condition to reglaze. The best bet was to take them all out and put them inside the house. Now we can work on them anytime. It is a mystery to me how all of the panes of glass were broken but there was a pile of them.

**Sept. 28** — Visitors to disturb the peace. While they didn't exactly disturb the peace, they sure did break in on the work. Visitors are a necessary evil, so I have reconciled myself to the fact. Just stopped working on the sash and toured them over the ranch.

This sash business sure is a job. It takes time to nail them back together, scrape out the old putty, scrape off the old paint and sand down the fuzz of the wood. One of the secrets of making putty stay put is to have the sash well oiled. So before I can actually do any glazing, the priming coat will have to dry. Then the glass will be bedded in putty and glazed. It just looks to me as if four coats of paint will be necessary.

**Sept. 29**—During the past few days Donnie has been able to catch a few cockerels that went in the colony houses. Today was a good time to get rid of them as well as a few hens that hadn't quite reached the running gear stage. I call it science when I can force the life out of a hen for a couple of years and then sell her before she reaches the running gear stage. It is quite true that the price per pound isn't much, but I can buy fertilizer for the truck patch cheaper than I can run them through the incinerator. A poultry buyer told me recently that he sold running gear stock to fox farms. That is what they say about blood spot eggs—too.

**Sept. 30** — The east and west ends have been given a second coat of paint. They really could have stood a second coat the day after the first one. The siding drinks the paint well nigh as fast as it is applied. I haven't gained very much by putting off this job of painting. Frankly, I think I have paid dearly for my negligence.

# POULTRYMEN SWING *to* STONEMO GRANITE GRIT

**LEADING POULTRYMEN WHO FEED *and* RECOMMEND STONEMO**

HANNAH, BOOTH, DEMME, SPROUL, CONWAY, BAGBY, GUINN, CREIGHTON, GLOECKL, LINDSTROM, KAUDER, LEADER, COOMBS, BISHOP, GINGERICH, RICE BROS., STOUFFER, RICH, DENSMORE, FOREMAN, PARKS, SEIDEL, MIXA, LOOMIS, GASSONS, TIBBALS

AT THE WORLD'S POULTRY CONGRESS thousands of visitors crowded our exhibit to see this world famous insoluble grit and learned how America's headline poultrymen use STONEMO consistently and profitably.

And of course America's headline poultrymen all appeared at our booth to congratulate us and to add more words of praise and thanks for STONEMO Granite Grit.

**SUCCESSFUL POULTRYMEN FEED STONEMO**

Our close contact with these thousands of poultrymen revealed the fact that American poultrymen are swinging away from feeding fads and "double purpose" grits to the safe, sane feeding programs followed by our leading successful poultrymen—a balanced mash, grain, charcoal, oyster shell and STONEMO—**the hard insoluble granite grit.**

You should, too. STONEMO cuts grass and fibre and prevents crop impactions, grinds feed finely, gets more nutriment from it, aids digestion troubles.

STONEMO is sold on a **money-back guarantee** and your dealer has it or will get it for you.

LEFT:—*View of our exhibit with the* STONEMO *Dixie octet from Georgia's Clark University. Thousands of visitors listened to them here and at the many banquets where they rendered request programs.*

**STONE MOUNTAIN GRIT CO., LITHONIA, GEORGIA**

**SQUAWK! DON'T GIVE ME THAT THING!**

IT'S an old-fashioned nuisance to catch every bird and poke a dose of medicine down its neck to control Round Worms. Worm your flock the *modern* nicotine way with *Dr. Hess Poultry Worm Powder*. Worm Powder is a *flock treatment* that you just mix with a little mash and *feed* to the birds *one time*. As an example of its efficiency, we call your attention to our Research Farm experiment where, by actual count, 2960 worms were expelled from 250 birds in 48 hours with Poultry Worm Powder. The *cost of worming* the Worm Powder way is only ½ to 1 cent per bird. Get this easily administered, effective wormer from your Dr. Hess Dealer—100-bird size, 90c; 250 birds, $1.90; 1000 birds, $5.40.

If you are interested in getting information on how to smoke poultry using a smoked salt brine, how to prepare smoked turkey roll, and other helpful pointers on this subject, send a 3-cent stamp to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., and ask for Brieflet MK-92, "How to Prepare Smoked Poultry."

HENS DON'T STOP LAYING..

When WORMED With Dr. SALSBURY'S ROTA-CAPS

Afraid to worm layers for fear of egg loss? Then treat your flock with Rota-Caps! Their Record Of Performance proves (1) they don't knock egg production; (2) they expel large round worms, capillaria worms, and these tapeworms (heads and all!): *R. tetragona* and *R. echinobothrida* in chickens, *M. lucida* in turkeys!

ONLY Rota-Caps contain Rotamine—a new, effective combination of active worm-removing drugs that is easy on the birds. So be sure you get genuine Rota-Caps—see your Dr. Salsbury dealer. Or order direct—state quantity and size, enclose check or money order. Dr. Salsbury's Laboratories, Charles City, Iowa.

PRICES: Pullet Size: 100 Rota-Caps—90c; 300—$2.50; 1000—$6.00. Adult Size: 100 Rota-Caps—$1.35; 200—$2.50; 500—$5.00; 1000—$9.00.

Their RECORD OF PERFORMANCE PROVES their EFFECTIVENESS

Dr. SALSBURY'S ROTA-CAPS

The ONLY Worm Treatment Containing ROTAMINE

WENE CHICKS

Big Values in EXTRA-Profit Fall Chicks
WENEcrosses, Heavy Breeds
Assorted Heavies, Wh. Leghorns $8.40 per 100 and up
Whether you wish to run off a brood of Broilers, produce some super-quality Roasters, or start Pullets to maintain next summer's egg flow, we have Chicks specially bred for your purpose. Hatches every week in the year.
Write NOW for Booklet and complete Price List.
WENE CHICK FARMS
Box 1265-H Vineland, N. J.

Coming to PHILADELPHIA?
Rooms with Bath for $2.75
HOTEL PHILADELPHIAN
39TH AND CHESTNUT STREETS
PHILADELPHIA, PA.

TRADE MARK HOMASOTE
Insulating and Sheathing Board
Protects against cold, wind and dampness.
FREE PLANS — Laying Houses, Brooder Houses, Special Houses for Battery Plants, also Samples of Homasote. Write today.
HOMASOTE COMPANY
Dept. 39 Trenton, New Jersey

CHETEROSIS QUALITY SEXED CHICKS
90% Accuracy guar. 6000 Pullorum clean Breeders on our own 110 acre farm. Reds, Rocks, Crosses, and Sex-Linked. Your postal to us will pay you big dividends.
CHESTER PILCH, Box 55, Feeding Hills, Mass.

## *851,300 at Seventh World's Poultry Congress*

[Continued from page 6]

were to pass in review before Congress officials had to be canceled because of a heavy rain which set in early in the evening.

### Peace Monument Dedicated

In an impressive ceremony on Sunday, July 30, held under threatening skies, Paul McNutt, federal social security administrator, unveiled the peace monument at the dedication of the Cleveland Cultural Gardens in Rockefeller Park. The figure symbolized peace, and the plaque bore the wording:

The Cultural Gardens of Cleveland.
Dedicated to the cause of brotherhood
and peace
On the occasion of International Peace Day
of the Seventh World's Poultry Congress
and Exposition,
July 30, 1939

Into the base of the monument there was poured the soil of 28 nations. American Legionnaires poured the soil for some nations, but the majority had their own representatives. England supplied soil from Westminster Abbey; France, from five American battlefields over there; Greece, from the Acropolis; Germany, from the battlefield of Tannenberg; the United States, from the home of George Washington and the tomb of Abraham Lincoln.

The dedication was followed by a parade consisting of American Legion posts and drill teams, Legion auxiliaries, bands, and the various nationality groups of Cleveland in their colorful garb.

### Commercial Exhibits

No finer or no larger group of commercial exhibits has ever before been assembled in one place. The cost of building the exhibits probably averaged at least three times the value of the $135,000 floor space that they occupied.

It was a curious and friendly crowd, bent on learning all it could from this great exposition, which stopped to visit at the booths of feed and remedy manufacturers, to examine modern incubators and new poultry equipment, to chat with well-known breeders at their exhibits, to watch the preparation and packing of poultry, and to see anything new that might be of value in increasing the profits from poultry.

Exhibitors were highly pleased with their audience. Many of them transacted more business than they had ever done at an exhibition or gathering before. Those who were not interested so much in the immediate business recognized the Congress as the finest opportunity they had ever had to build goodwill among poultry raisers.

### Hall of Nations and States

There was so much of interest in the exhibits in the Hall of Nations and States that a visitor could have easily spent several days in seeing all that there was to see in the magnificent displays of the United States government, eight foreign nations and more than half of our states.

Besides the very extensive exhibit of the United States, there were exhibits from Canada, Cuba, England, Germany, Hungary, Italy, Japan and the Netherlands.

The United States government exhibit, which utilized many photo murals as well as mechanical devices, took up the various phases of its work—such as nutrition, breeding, economics, marketing, the National Poultry Improvement Plan, etc.—as related to the poultry business. A

**"Bill" Everngam of North Carolina Granite Corp., makers of Mount Airy Gran-I-Grit for poultry, was well pleased with the amount of interest shown by Congress visitors.**

working model of a mechanical turkey, showing the process of digestion of feed, aroused a lot of interest.

Germany's exhibit included a model of a peasant farm house and charts showing the part the government has had in stabilizing egg prices and in regulating breeding. Hatcheries there are permitted to handle chicks of only four breeds. Japan's exhibit consisted of stuffed birds. Cuba had a scale model of its egg laying contest. The Netherlands emphasized the breeding and disease control activities of its government, which also restricts output.

England displayed its famous dual-purpose breed, the Sussex. In the center of the British exhibit, there was an imposing bas-relief representation of King George and Queen Elizabeth. Canada had a large, very attractive display with a lot of emphasis on marketing, but also covering nutrition and breeding.

Italy's exhibit included photographs of frescoes, mosaics and sculptures of chickens and ducks. Maps showed the location of poultry centers and the density of poultry in different regions. Hungary had a diorama of a typical farm area in that country.

Kansas used 600 strands of hard winter wheat, all of the grains strung by members of 4-H clubs, in the decorative scheme. Ohio, with the largest of the state exhibits, featured a puppet show which attracted capacity audiences. New Hampshire's display consisted of a pleasant bit of New England colonial architecture with window boxes planted in a profusion of summer flowers. The famous Natural Bridge formed the entrance to the Virginia exhibit. A series of murals in the New York exhibit depicted the career of Prof. James E. Rice. Pennsylvania emphasized the fact that it was first state in value of eggs produced.

### Consumer Activities

Consumer activities, under Kathryn B. Niles, revolved around the Transparent Kitchens, the $1,000 Egg Meal Menu Contest, and daily speaking programs and entertainment in the Public Auditorium.

The three Transparent Kitchens, located on the lower level of the Underground Exhibition Hall, had a demonstration on the preparation of eggs and poultry going on at one of them practically all the time. They were known as the General Electric Kitchen, the Westinghouse Kitchen and the Magic Chef Kitchen. Chefs from leading hotels in Cleveland showed how they prepared some of the unusual egg and poultry dishes.

### Florida Woman Wins $1,000

The $1,000 cash prize in the Egg Meal Menu Contest went to Mrs. Homer Hixson, Gainesville, Fla., wife of an instructor at the University of Florida and mother of a 5-months old daughter. Presentation was made at a program, broadcast over an NBC hookup, on Friday afternoon, August 4, in the Horticultural Gardens along the lakefront.

All 20 finalists in this contest came to Cleveland for the run-off, and they prepared their egg meals for the consideration of the judges.

The $1,000 egg meal menu consisted of tomato juice cocktail, chicken liver omelet, brown potatoes, asparagus with Hollandaise sauce, lettuce with French dressing, whole wheat muffins, fruit roll and coffee.

### Borden Award to Dr. Almquist

Highlight of the activities of the Poultry Science Association was the bestowal of the Borden Award of $1,000 and a gold medal upon Dr. H. J. Almquist, University of California, for scientific accomplishment.

**H. J. Almquist**

The award, made at the association's banquet on July 31, was based upon Dr. Almquist's development of a number of measures for determining market quality of eggs, and his discovery of several causes of poor quality; his discovery independently, but concurrently with a Danish scientist, of vitamin K, the anti-hemorrhagic vitamin; and his development of the protein quality index which determines by chemical means the biological value of the protein in concentrates.

With six scientific sessions in progress simultaneously each day from July 31 through August 4, scientists and full Congress members had difficulty in deciding which of the meetings to attend.

The annual election resulted in selection of the following officers: L. W. Taylor, University of California, president; H. L. Kempster, University of Missouri, 1st vice-president; D. C. Warren, Kansas State College, 2nd vice-president; and W. A. Maw, Macdonald College, Quebec, Canada, secretary-treasurer.

Next year's meeting of the Poultry Science Association will be held at Cornell University, Ithaca, N. Y., at which time the poultry building there will be given official recognition as "Rice Hall" in honor of Emeritus-Professor James E. Rice, first head of the poultry department there.

### Live Poultry at the Congress

There were four distinct phases to the live poultry activities at the World's Poultry Congress. They consisted of a Pageant of Poultry located in the southern end of the Hall of Industry, surrounded by the exhibits of commercial breeders, the International Live Bird Show in the Hall of Poultry and the Competitive Live Poultry Show in the Hall of Poultry also.

The Pageant of Poultry, which was non-competitive, consisted of pairs of each breed and variety of land and waterfowl recognized by the American Standard of Perfection, also many odd and unusual breeds and varieties.

There were six foreign countries with a total of 687 head of poultry, participating in the International Live Bird Exhibit. Canada led all other countries in number of birds with a total of 341 head. Italy was second with 145, England next with 109, Netherlands with 40, Cuba with 28, and France with 24.

England, of course, showed its popular White Sussex and Light Sussex, while France had some Salmon Faverolles on display. The Italian exhibit aroused a lot of interest with its Violet, Azure, Lilac, Blue, and Pink varieties of guinea fowl on display. There were also Lilac turkeys. The Netherlands showed Barnevelders and Holland Blues, also the Kwaker duck, which is a miniature of the Pekin duck. Cuba showed a large number of its Cubalayas.

* Quoted from a recent letter written by Charles E. Caldwell, Jenkinjones, W. Va.

AND HE'S BEEN FEEDING LARRO FOR 10 YEARS

LIKE MANY ANOTHER poultryman, Mr. Caldwell decided, after years of experience, that there is *true economy* in the high quality of Larro Egg Mash. The result of actual tests with over 400 formulas in 16 years of work at Larro Research Farm, this excellent ration is a real performer. We believe it is outstanding for all round results in these 9 points . . . egg production . . . egg quality . . . egg size . . . hatchability . . . molt . . . nutritional health . . . economy . . . feed efficiency . . . and profit over feed cost.

Real feeding economy is not determined by the price you pay for feed, but by the quality that puts extra value in the bag and extra profit in your bank account. Feed Larro Egg Mash to all your birds after the 12th week. Make the 9-point test, and let your own flock show you what Larro quality means in year-round profit.

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WRITE FOR THIS FREE BOOKLET
Write for "Nuggets of Poultry Progress". This free 16-page booklet tells you the interesting story of the work done at Larro Research Farm in developing Larro Egg Mash.

**ARNDT "ECONOMY" LAYING BATTERIES**

*Now as low as* → $1.15 *per Cage* F.O.B., TRENTON, N.J.

Lowest Prices Ever Quoted on Full-Size, All-Steel Units

ARNDT Engineering Genius simplified the design.
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**RESULT — A Triumphant Value**

Full-Size, All-Steel, Standard Laying Batteries at prices ranging from $1.15 up, according to the style of Cleaning Equipment selected, and in every size from 12 birds to 150 birds.

**"HOME OFF the RANGE"**

This new achievement of ARNDT Engineering is offered at new low prices, just as your birds are ready for housing. Bring them "home OFF the range," and install them in these up-to-the-minute ARNDT Economy Laying Batteries.

Ten years' experience has proved the superiority of laying cages to older methods . . . No litter to buy or become damp. No filth-contaminated feed. Loafers easily detected and culled. Greater egg-production during fall and winter months. Complete independence of weather and seasonal conditions.

Now is the time to decide the future of your pullets. Write today for new Folder telling all about ARNDT Economy Batteries.

Come and see for Yourself: All National Highways lead to ARNDT'S Model Demonstration Farm at 2759 Nottingham Way, Mercerville, New Jersey (near Trenton.)

Always 15,000 to 20,000 Chickens housed on less than 1 acre of land.

**M. H. ARNDT MFG. CO.**
DEPT. 11 TRENTON, N. J.



**LEADER WHITE LEGHORNS**

**28 Years of Breeding . . .**
has put into **Leader Leghorns** those qualities that make them pay—ruggedness, robust health, large egg size and high average egg yield. Over 10,000 breeders, grown the way nature intended, on our 77-acre farm. Matings headed by males out of 250 to 337-egg hens.

**AND THEY DO LAY:** Top pen all breeds in Pennsylvania tests in 1933, 1934 and 1936. High pen of Leghorns, 1938. Leading pen to date in 1939 for all breeds at Pennsylvania.

**Fall Chicks** Hatches every week in September, October and November.

WRITE FOR PRICE LIST

**GUY A. LEADER, Rt. 2-E, York, Pa.**



**WARREN'S MASS. CERTIFIED R.I. REDS**

**STILL LEADING at CONTESTS**

Highest Pens, All Breeds at Farmingdale, N. Y., and Rhode Island. High Pen and High Hen in 2-year-old, lifetime class at Vineland. Highest Red Pen at Pennsylvania and Storrs, and Highest Red Hen at Farmingdale, N. Y. Two of three highest birds at Passaic.

**Straight R. I. Reds—Rock-Red BARRED Hybrids U.S.-MASSACHUSETTS PULLORUM CLEAN Chicks**—Weekly hatches throughout the Fall and Winter. Moderate prices for Chicks of outstanding quality.

**Pullets**—A limited number from our May hatches. Great winter money makers.

**Write for Fall Prices and Literature.**
J. J. WARREN
Box 14 NORTH BROOKFIELD, MASS.

MASSACHUSETTS ASSOCIATION OF CERTIFIED POULTRY BREEDERS

Bonded Against B.W.D.



**REDBIRD FARM**

**FALL CHICKS for BROILERS**
**BARRED Cross—ROCKS and REDS**
**62,000 Breeders on Our Own Farm**
Blood-Tested, Massachusetts State College
98% Livability Guaranteed up to 4 Weeks
on all Special, Grade-A and Grade-B Chicks
Write for Late Summer and Fall Prices
**REDBIRD FARM, Route 23, Wrentham, Mass.**


The Competitive Live Bird Show drew entries from all sections of the United States as well as from Canada and Cuba. The birds were attractively cooped, and it is likely that the majority of visitors never before had seen so many birds on display at one poultry show.

The super awards of silver service sets bearing embossed crests of the Seventh World's Poultry Congress for the five best displays of one variety in the show went to the following:

Mrs. Donald Donaldson for S. C. Rhode Island Reds.

Don Alda Farms for S. C. White Leghorns.

Henry Domes for White Holland turkeys.

Frank Conway for Buff Orpingtons.

Sherman Bowden & Son, Mansfield, Ohio, for White Wyandottes.

### Youth Activities

Youth was in the limelight at the World's Poultry Congress, some 2,000 young people from 30 states participating in the poultry judging, demonstrations in poultry production and consumption, and in handicraft exhibits. They had a busy time of it, too.

In the Inter-Collegiate Judging Contest, 12 state teams of three individuals each competed in exhibition judging, selecting of breeders, judging of live market chickens and judging of dressed market birds. Altogether, 56 birds had to be placed.

There were no first prize awards in any of the youth activities, but the winners were classed in three divisions as superior, excellent and good. The Missouri and Oklahoma teams received superior ratings.

In the Future Farmers of America Poultry Judging Contest, some 35 teams competed, Florida, Indiana, Missouri, Oklahoma and Oregon receiving superior ratings.

The demonstration contests, as in the case of the poultry judging competition, were held in a canvas covered court in the Hall of States and Nations. The boys handled the demonstrations on poultry production subjects, while the girls concerned themselves with egg and poultry consumption.

In the 4-H consumption demonstrations, 19 teams of girls took part, with superior ratings going to Kansas, Minnesota and Washington. Subjects ranged from "Value of Eggs in the Diet" to "Streamlined Chicken."

In the 4-H production demonstrations, 24 states took part with superior ratings going to Connecticut, Indiana, Montana, Ohio, Pennsylvania, South Dakota and Wisconsin.

The F.F.A. demonstration contests resulted in the superior ratings going to Delaware and Indiana.

**These three girls — Joyce Ann Hoskin, Dorothy Dyer and Lois Khodakoff—aroused a lot of interest when they modeled dresses, evening gowns and aprons made from Kasco Feed Sax.**

One of the outgrowths of the Poultry Congress was the formation of the National Collegiate Poultry Club, having the objective of bringing about a mutual understanding and closer relationship between the poultry clubs and the various agricultural colleges.

### Nearly 5,000 Hear Tom Barron

The popular program, held daily from July 31 through August 5, presented nationally known poultry authorities, most of them successful poultrymen. In all, there were 29 speakers.

Between 4,000 and 5,000 people comprised the audience which heard Tom Barron, famed English breeder, relate some of his experiences in 50 years of breeding poultry. This is believed to be the largest crowd ever to have assembled in one meeting room to hear a poultry talk in America.

### Hatcherymen Meet Too

Two days of the popular program, August 3 and 4, were devoted to hatchery topics. Group conferences dealing with legislation, transportation, consumption and other problems were also held.

The banquet of the International Baby Chick Association drew 1140, all that the Hotel Statler could accommodate. Hundreds who wanted to attend were turned down. There were no speeches, but simply a few introductions, and a number of past presidents were honored by being presented with desk sets.

Continuance of the association's egg and poultry consumption activities was voted. The board of directors decided to continue the work of the Fair Trade Practice Committee, transferring the activities to Kansas City to be carried on under the direction of Reese V. Hicks, executive secretary.

The following officers were elected for the coming year: President, L. H. Hiscock, Skaneateles, N. Y.; 1st vice-pres., L. E. McConkey, Stillwater, Okla.; 2nd vice-pres., F. H. Cockell, Milwaukie, Oregon; secretary-treasurer, D. D. Slade, Lexington, Ky.; and executive secretary, Reese V. Hicks, Kansas City, Mo.

St. Louis was selected for the 1940 convention.

**Lady Limecrest, the hen without a gizzard, received front page newspaper publicity and brought a lot of folks to the booth of the Limestone Products Corporation of America. She is shown here held by Eleanor Filko.**

### Professor Rice Honored

The high honor of the presidency of the World's Poultry Science Association for the next three years went to Professor

[Please turn to page 26]



# Laying Tests Summarized

Standard laying tests throughout the country will operate according to the same general rules which have been in effect for the past two laying test years. Thus, during the 1939-40 test year, each pen will consist of 13 birds, with the records of all birds counting in the pen total. This was decided at a meeting of the American Record of Performance Council, held in Cleveland, Ohio, August 2, at which 13 of the 16 standard tests were represented.

### Council Gets New Name

The Council changed its name to the Council of American Official Egg Laying Tests in order that the name would not conflict in any way with the national and state Record of Performance programs. Records made at the laying tests will thus be considered the "official test records."

It was decided at this meeting that the Council will publish an annual report showing highest official pen and individual scores at the tests for the year

**High Pen, 13 Birds, Each Breed to Aug. 1—(304 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3218 | 3472.45 | Storrs |
| Thomas Mettler | R. I. R. | 3315 | 3381.35 | Hunt. N.J. |
| Edw. N. Larrabee | N. Hamp. | 2968 | 3127.45 | Storrs |
| Dryden Pl. Br. Fm. | Bd. Rk. | 2953 | 2963.65 | Penna. |
| Lonnie Van Sant | Bf. Aust. | 2549 | 2694.90 | Arizona |
| Oscar W. Holtzapple | Wh.Rk. | 2571 | 2652.00 | Georgia |
| Colonial Pl. Fm. | Wh. Wy. | 2423 | 2544.45 | Texas |
| Ben G. Monroe | Anc. | 2319 | 2375.20 | Texas |
| Harry L. Phillips | Col.P.Rk. | 2023 | 2122.90 | Missouri |
| Colonial Pl. Fm. | Wh. Min. | 1959 | 2061.60 | Georgia |
| Highland Pl. Fm. | Wh. Gt. | 1865 | 2027.00 | Rhode Isld. |
| S. E. Raymond | Lamona | 1874 | 1995.55 | Storrs |
| Lindstrom Pl. Fm. | Bf.Min. | 1875 | 1911.45 | Missouri |
| Donald C. Chandler | S.L.Wy. | 1907 | 1903.05 | Maine |
| Wm. W. Lehman | Bf. Leg. | 1860 | 1874.90 | Penna. |
| Hall Bros. Htchy. | Cross | 1573 | 1637.55 | N.Y. State |
| Cedarlaid Pl. Fm. | Br. Leg. | 1841 | 1620.35 | Florida |
| Laclede Hatchery | Bf. Orp. | 1609 | 1581.75 | Florida |
| Blue Ribbon Fms. | R.I.W. | 1533 | 1557.70 | Texas |
| Eagle Nest H&B Fm. | Bf.Rk. | 1315 | 1387.55 | Maine |

**High Hen Each Breed to Aug. 1—(304 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 289 | 315.90 | Georgia |
| Ford's Riverbank Fm. | R.I.R. | 284 | 302.20 | Maine |
| Weber Duck Fm. | Bd.Rk. | 270 | 290.50 | Georgia |
| S. C. Houck | N. Hamp. | 264 | 283.75 | Penna. |
| E. S. McSweeny | Bl. Aust. | 266 | 283.30 | Arizona |
| Homestead Fm. | Wh. Rk. | 252 | 273.95 | Storrs |
| Raymond Murphy | Wh. Gt. | 252 | 269.20 | Missouri |
| Lindstrom Pl. Fm. | Wh.Wy. | 243 | 265.70 | Georgia |
| Colonial Pl. Fm. | Wh. Min. | 223 | 238.30 | Georgia |
| Erikson's Anc. Yds. | Anc. | 238 | 234.10 | Storrs |
| Donald C. Chandler | S.L.Wy. | 215 | 230.80 | Maine |
| S. E. Raymond | Lamona | 205 | 223.95 | Storrs |
| Harry L. Phillips | Col.P.Rk. | 203 | 221.30 | Missouri |
| Blue Ribbon Fms. | R.I.W. | 202 | 219.30 | Texas |
| Lindstrom Pl. Fm. | Bf. Min. | 221 | 214.95 | Rhode Isld. |
| Laclede Hatchery | Bf. Orp. | 218 | 213.25 | Florida |
| Hall Bros. Htchy. | Cross | 189 | 206.00 | N.Y. State |
| Eagle Nest H&B Fm. | Bf.Rk. | 185 | 199.85 | Maine |
| Cedarlaid Pl. Fm. | Br. Leg. | 204 | 193.00 | Florida |
| Wm. W. Lehman | Bf. Leg. | 193 | 191.75 | Penna. |

**High Pen, 13 Birds, for July in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Schwegler's Htchy. | Wh.Leg. | 333 | 351.35 | West. N.Y. |
| Edw. N. Larrabee | N.Hamp. | 325 | 344.45 | Storrs |
| Dryden Pl. Br. Fm. | Wh.Leg. | 314 | 334.40 | Cent. N.Y. |
| Thomas Mettler | R.I.R. | 321 | 333.75 | Hunt., N.J. |
| Kauder's Ped. Leg. | Wh.Leg. | 303 | 328.90 | Georgia |
| Dryden Pl. Br. Fm. | Wh.Leg. | 310 | 328.20 | Michigan |
| Dryden Pl. Br. Fm. | Bd. Rk. | 316 | 318.15 | Penna. |
| Miami Chick Htchy. | W.Leg. | 309 | 316.05 | N.Y. State |
| W. C. Mullins | R. I. R. | 304 | 311.00 | Texas |
| Hillview Pl. Farm | Wh.Leg. | 290 | 306.85 | Missouri |
| Sebold Pl. Farm | Wh. Leg. | 295 | 297.05 | Pass., N.J. |
| Ford's Riverbank Fm. | R.I.R. | 280 | 292.45 | Maine |
| Norman W. Amidon | R. I.R. | 260 | 283.85 | Rhode Isld. |
| Lone Oak Leg. Fm. | W.Leg. | 280 | 283.55 | Florida |
| Booth Fms. & Htchy. | W.Leg. | 252 | 273.10 | Okla. |
| Nelson's Leg. Br. Fm. | W.L. | 256 | 258.05 | Arizona |


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**RED ROSE LAYING MASH**

produced the following results for me in my first year in the poultry business:

| | | |
|---|---|---|
| January | 120 birds | 2803 eggs |
| February | 119 birds | 2786 eggs |
| March | 119 birds | 2681 eggs |
| April | 115 birds | 2729 eggs |
| | | 10,999 eggs |

This 77% production we attribute largely to the quality of the feed. The broilers we raised on Red Rose Feeds were such fine meaty birds, that we started retailing them at 10 weeks. (Name on request)

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When fowls are heavily infested with worms a $1 package of Russell's WormR Powder will worm 150 hens for 4-6 days but on the Russell regular 30-60 day Worm Control program a $1 package will dose 150 hens 3 times at different 2 day periods.

Russell WormR Powder is easily fed by mixing with dry mash or coarsely ground feed. It acts promptly and safely, expelling large round worms and desegmenting large tape worms—does not knock egg production or retard young stock. It is used and recommended by many of America's leading poultry breeders.

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Go to your Russell dealer today and ask him for one of the 3 retail sizes of Russell WormR Powder, 65¢—80 hen size. $1—150 hen size. $1.75—300 hen size. If he cannot supply you then order direct. We pay postage.

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| | |
|---|---|
| White and Brown Leghorns, Reds | 100 |
| Wh. & Bar. Rocks, Mot. Anconas .. | $ 9.00 |
| Wh. and S.L. Wyandottes, Buff Orps. | 10.00 |
| White or Black Minorcas ..... | 12.00 |
| Brahmas, Black or White Jersey Giants ..... | 13.00 |

STARTED CHICKS, 1 week $12-100; 2 weeks $16; 3 weeks, $20; 4 weeks, $25; 5 weeks, $29. PULLETS all ages. Prompt Deliveries. We hatch all year around.

**LAKEVIEW POULTRY FARM & HATCHERY**
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**CLEAR SPRING CHICKS**

| | Large Type English Sex Leghorn Pullets (95%) | 100 | 500 | 1000 |
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| | | $11.00 | $55.00 | $110 |
| Large Type English Leghorns .... | | 6.00 | 30.00 | 60 |
| Barred & Wh. Rocks, R. I. Reds .. | | 6.50 | 32.50 | 65 |
| N. H. Reds ..... | | 7.00 | 35.00 | 70 |

Heavy Mix $5.50-100. All Breeders Bloodtested. 100% live del. P. Paid cash or COD. It will pay you to get our Free Catalog telling of our 29 yrs. Breeding Experience.

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F. B. LEISTER, Owner, Box 60, McAllisterville, Pa.

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Clean sweep of prizes again at New York Show, Jan. 1935. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.

BIRD BROS. Box J MEYERSDALE, PA.


and highest official records in test history. This will be just as complete a record as the Council can make.

Every manager at this meeting felt that there has been more interest and enthusiasm shown among the breeders entering pens in laying tests this year than ever before. Practically all tests will be filled to capacity and applicants will have to be turned away. Some tests are constructing new houses to accommodate the overflow of entries.

### Schwegler's Leghorns High for July

White Leghorns entered by Schwegler's Hatchery in the Western New York Test were the highest producers among all test pens during July, chalking up 333 eggs and 351 points for the month.

### Kauder's Leghorns Increase Lead

Kauder's Leghorns at Storrs continue to put more distance between themselves and their nearest competitors, Thomas Mettler's Rhode Island Reds at Hunterdon, N. J. Ford's Riverbank Farm's Reds at Maine maintain their hold on third place, and Guy A. Leader's Leghorns at Pennsylvania moved back up into fourth highest position. Sand Springs Home Farm's Leghorns at Texas jumped right into fifth place, only nine points back of Leader's birds.

Dryden's Leghorns at Michigan have done some heavy summer laying and have spurted into sixth place among all pens to August 1. Kauder's pen at Georgia follows in seventh place, with Edward N. Larrabee's New Hampshires at Storrs taking over the eighth highest perch. In ninth position are John A. Clear's Leghorns at Hunterdon, N. J. W. C. Mullins' Rhode Island Reds bring up the rear in this honor class.

Not satisfied with grabbing top Barred Rock position away from three other Dryden pens in this breed, the Dryden birds at Pennsylvania are pushing their way forward by leaps and bounds and now have almost 100 points lead over the Dryden pen at Central New York.

Oscar W. Holtzapple's White Rocks at Georgia remain the top-notchers in their breed, with Riley Poultry Farm's entry at Oklahoma moving along at a rapid clip, and edging into second place in White Rocks.

### Western New York Test Gets New Manager

Richard Chase is the new manager of the Western New York Test, Stafford, N. Y., succeeding J. W. McCartney who has gone into the poultry business for himself, according to R. C. Ogle, supervisor of the New York Tests.

Plans for the Dryden shipping coop, ideal for sending birds to tests, are available for a 3-cent stamp from Everybodys Poultry Magazine, Hanover, Pa.

**Ten Highest Standard Test Pens In Entire Country to Date—(304 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3218 | 3472.45 | Storrs |
| Thomas Mettler | R. I. R. | 3315 | 3381.35 | Hunt. N.J. |
| Ford's Riverbank Fm. | R.I.R. | 3186 | 3228.80 | Maine |
| Guy A. Leader | Wh. Leg. | 3059 | 3163.75 | Penna. |
| Sand Springs H. Fm. | W.L. | 2985 | 3154.60 | Texas |
| Dryden Pl. Br. Fm. | W.Leg. | 3002 | 3142.65 | Michigan |
| Kauder's Ped. Leg. | Wh.Leg. | 2961 | 3133.90 | Georgia |
| Edw. N. Larrabee | N.Hamp. | 2968 | 3127.45 | Storrs |
| John A. Clear | Wh. Leg. | 2934 | 3122.65 | Hunt. N.J. |
| W. C. Mullins | R. I. R. | 2912 | 3098.60 | Texas |

**Ten Highest White Leghorn Pens In Entire Country to Date—(304 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Kauder's Ped. Leghorns | 3218 | 3472.45 | Storrs |
| Guy A. Leader | 3059 | 3163.75 | Penna. |
| Sand Springs Home Farm | 2985 | 3154.60 | Texas |
| Dryden Poultry Br. Farm | 3002 | 3142.65 | Michigan |
| Kauder's Ped. Leghorns | 2961 | 3133.90 | Georgia |
| John A. Clear | 2934 | 3122.65 | Hunt. N.J. |
| Kauder's Ped. Leghorns | 2927 | 3069.10 | Georgia |
| Woodlawn Farm | 2865 | 3063.70 | Texas |
| Bryan J. Snell | 2824 | 3054.45 | Penna. |
| Nelson's Leg. Br. Farm | 2856 | 3043.25 | Texas |

**High Pen, 13 Birds, to Aug. 1 in Each Standard Test—(304 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3218 | 3472.45 | Storrs |
| Thomas Mettler | R. I. R. | 3315 | 3381.35 | Hunt. N.J. |
| Ford's Riverbank Fm. | R.I.R. | 3186 | 3228.80 | Maine |
| Guy A. Leader | Wh. Leg. | 3059 | 3163.75 | Penna. |
| Sand Springs H. Fm. | W.L. | 2985 | 3154.60 | Texas |
| Dryden Pl. Br. Fm. | Wh.Leg. | 3002 | 3142.65 | Michigan |
| Kauder's Ped. Leg. | Wh.Leg. | 2961 | 3133.90 | Georgia |
| Booth Fms. & Htchy. | W.Leg. | 2812 | 3024.70 | Okla. |
| J. J. Warren | R. I. R. | 2816 | 3018.75 | Rhode Isld. |
| R. O. Wagemaker | R. I. R. | 2794 | 3015.70 | Missouri |
| Vans R. Otey | R. I. R. | 2862 | 2980.80 | Florida |
| Content Farms | Wh. Leg. | 2853 | 2956.65 | Cent. N.Y. |
| George A. Pearce | R. I. R. | 2853 | 2875.50 | Pass., N.J. |
| J. J. Warren | R. I. R. | 2722 | 2834.35 | N.Y. State |
| E. B. Parmenter | R. I. R. | 2718 | 2821.90 | West. N.Y. |
| Nelson's Leg. Br. Fm. | W.L. | 2717 | 2757.75 | Arizona |

**High Hen to Aug. 1 in Each Standard Test—(304 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Gulnn | Wh. Leg. | 289 | 315.90 | Georgia |
| Kauder's Ped. Leg. | Wh.Leg. | 285 | 311.85 | Storrs |
| Ford's Riverbank Fm. | R.I.R. | 281 | 302.20 | Maine |
| Weber Duck Fm. | R. I. R. | 273 | 298.80 | Michigan |
| Gulfkist Pl. Fm. | Wh.Leg. | 272 | 296.45 | Florida |
| J. J. Warren | R. I. R. | 272 | 294.30 | Rhode Isld. |
| I. Conmer | Wh. Leg. | 273 | 292.05 | Texas |
| Foreman Pl. Fm. | Wh. Leg. | 271 | 291.00 | Hunt. N.J. |
| C. T. Darby | Wh. Leg. | 276 | 289.30 | Pass., N.J. |
| Henrich's Pl. Fm. | W.Leg. | 265 | 286.60 | Missouri |
| Silver Brook Fm. | Wh. Leg. | 261 | 285.85 | Penna. |
| Stroehlein Bros. | Wh. Leg. | 260 | 284.05 | West. N.Y. |
| E. S. McSweeny | Bl. Aust. | 266 | 283.30 | Arizona |
| Schwegler's Htchy. | Wh.Leg. | 273 | 282.00 | Cent. N.Y. |
| J. J. Warren | R. I. R. | 254 | 277.60 | N.Y. State |
| Rucker's Im. Br. Fm. | W.L. | 279 | 274.35 | Okla. |

**Average Production and Mortality to Aug. 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for July | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 178.44 | 185.03 | 4.50 | 23.84 |
| Arizona | 260 | 177.86 | 181.26 | 3.07 | 14.61 |
| Pennsylvania | 1,131 | 176.12 | 181.11 | 2.03 | 13.61 |
| Storrs | 1,300 | 174.21 | 180.06 | 1.53 | 15.38 |
| West. N. Y. | 884 | 172.24 | 176.53 | 2.26 | 11.65 |
| Hunt., N. J. | 650 | 170.30 | 174.59 | 3.09 | 20.76 |
| Pass., N. J. | 1,001 | 171.06 | 174.11 | 2.68 | 18.08 |
| Georgia | 1,360 | 168.10 | 169.28 | 2.46 | 24.15 |
| Cent. N. Y. | 910 | 162.29 | 166.75 | 1.86 | 14.83 |
| Florida | 1,218 | 165.73 | 166.47 | 2.72 | 17.62 |
| Oklahoma | 650 | 160.55 | 164.83 | 3.07 | 19.23 |
| Michigan | 897 | 157.42 | 161.92 | 3.45 | 23.85 |
| Rhode Island | 650 | 152.85 | 160.68 | 3.07 | 21.38 |
| Missouri | 780 | 144.50 | 152.20 | 1.79 | 23.33 |
| N. Y. State | 1,222 | 147.11 | 147.16 | 2.91 | 19.14 |
| Maine | 1,027 | 138.17 | 140.06 | 2.72 | 26.87 |
| All Tests | 14,820 | 163.28 | 167.22 | 2.64 | 19.41 |

**Ten Highest Rhode Island Red Pens In Entire Country to Date—(304 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Thomas Mettler | 3315 | 3381.35 | Hunt. N.J. |
| Ford's Riverbank Fm. | 3186 | 3228.80 | Maine |
| W. C. Mullins | 2912 | 3098.60 | Texas |
| J. J. Warren | 2920 | 3091.50 | Storrs |
| J. J. Warren | 2816 | 3018.75 | Rhode Isld. |
| R. O. Wagemaker | 2794 | 3015.70 | Missouri |
| Donald L. Crooks | 2842 | 3065.35 | Storrs |
| Donald J. Goodenough | 2896 | 2994.95 | Storrs |
| Ralph W. Anderson | 2774 | 2983.75 | Storrs |
| Vans R. Otey | 2862 | 2980.80 | Florida |

**Ten Highest New Hampshire Pens In Entire Country to Date—(304 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Edward N. Larrabee | 2968 | 3127.45 | Storrs |
| Hubbard Farms | 2860 | 2968.85 | Storrs |
| A. J. Williams | 2826 | 2888.25 | Florida |
| Fuzzydele Farms | 2540 | 2742.30 | Penna. |
| Steelman Poultry Farms | 2603 | 2741.80 | Storrs |
| Del Rio Farm | 2575 | 2730.90 | Arizona |
| W. H. Boulware | 2616 | 2714.75 | Florida |
| A. J. Williams | 2593 | 2700.65 | Florida |
| Thomas J. Harrold | 2641 | 2662.00 | Georgia |
| Fuzzydele Farms | 2532 | 2629.55 | West. N.Y. |

**Ten Highest Barred Plymouth Rock Pens In Entire Country to Date—(304 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Dryden Pl. Br. Farm | 2953 | 2963.65 | Penna. |
| Dryden Pl. Br. Farm | 2805 | 2865.25 | Cent. N.Y. |
| David T. Cohen | 2711 | 2806.50 | Cent. N.Y. |
| Dryden Pl. Br. Farm | 2617 | 2747.45 | Missouri |
| Dryden Pl. Br. Farm | 2676 | 2740.85 | Storrs |
| Riley Poultry Farm | 2685 | 2651.95 | Michigan |
| Fuzzydele Farms | 2543 | 2651.05 | Storrs |
| R. C. E. Wallace | 2561 | 2639.55 | Cent. N.Y. |
| Charles Lathrop | 2513 | 2636.50 | Pass., N.J. |
| Egyptian Hatchery | 2552 | 2596.10 | Missouri |

**Ten Highest White Plymouth Rock Pens In Entire Country to Date—(304 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 2571 | 2652.00 | Georgia |
| Riley Poultry Farm | 2676 | 2638.15 | Okla. |
| Quimby School | 2479 | 2604.30 | Rhode Isld. |
| Homestead Farm | 2565 | 2591.15 | Penna. |
| Homestead Farm | 2471 | 2516.00 | Storrs |
| Oscar W. Holtzapple | 2463 | 2522.05 | Penna |
| Kalerok Farm | 2483 | 2519.30 | Rhode Isld. |
| Red Barn Poultry Farm | 2396 | 2519.20 | Storrs |
| Kalerok Farm | 2383 | 2479.75 | Penna. |
| Albert C. Lawton | 2253 | 2373.00 | Rhode Isld. |

**Here is the Shaw Manufacturing Company's Master Shaw "Du-All" four-wheel riding tractor selling for less than $350. It is available in a variety of air-cooled single or twin cylinder engines, offering the user a choice of 3, 4, 5, 6, and 7 horsepower units. It has three speeds forward and reverse. By use of the brakes, it has a turning radius of 4½ feet. Further information can be obtained by writing the company at Galesburg, Kansas.**

## Keeping Rodents Out

Many thousands of dollars worth of grain and produce are lost each year due to the destruction and spoilage by rats, mice, and other rodents. With indications for higher feed prices this year and less feeds available, all precautions should be made to prevent these losses.

According to W. C. Krueger, New Jersey College of Agriculture, corn cribs can be protected by placing a wire screen under the bottom or under the shoveling boards. It should extend up the sides at least 4 feet with a metal band 12 inches wide above that. The corners of grain bins should be flashed with metal strips or filled with concrete on a wire mesh reinforcement. Keeping the grounds and buildings clean and free of spilled grain and refuse is helpful in keeping rodents away.

## High Humidity in Egg Room Increases Receipts by $20

Poultry specialists at the Ohio Experiment Station, Wooster, Ohio, found they could make "extras" or "standards" at will simply by adding or taking away the humidity in their egg holding room. At a small expenditure of 75 cents for a nozzle and 60 cents a month for water, they were able to increase their returns from eggs by $20 a month.

Making "Much ado about nothing" Nellie, a Mobile, Ala. hen, cackled continuously for 24 hours; without laying an egg. What a Congressman (or woman) Nellie would make.

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Starting with the August issue, the *National Poultry Digest* began to tell the story of the Seventh World's Poultry Congress, greatest of all events in the history of the American poultry industry.

The August issue started off with Secretary Wallace's opening address, reports on the live poultry, youth and consumer activities, interesting sidelights, talks by L. C. Beall, R. M. Bethke and Hobart Creighton.

Before the end of this year, the *Digest* will have published all 29 talks delivered on the popular program, in addition to much other material assembled at the Congress. To make this possible, the *Digest* employed its own stenotypist to report the talks.

While this extensive coverage of the World's Poultry Congress represents a special job, the *Digest* regularly presents the cream of poultry articles, carefully chosen and boiled down for easy reading, from more than 75 publications each month, plus experiment station reports. It is intended for busy people who want to be well-informed about poultry.

You'll enjoy this time-saving, economical way to keep up with the latest and newest developments in poultry nutrition, breeding, disease control and management practices. The subscription price is $2.00 in the United States—$3.00 in Canada and foreign countries. Single copies, 25 cents.

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| Bar. & Wh. Rocks, R. I. Red Pullets | 8.50 | 42.50 | 85 |
| New Hampshire Red Pullets | 9.50 | 47.50 | 95 |
| W. Leg.; Bar. & Wh. Rocks; R.I. Reds | 6.00 | 30.00 | 60 |
| New Hampshire Reds | 7.00 | 35.00 | 70 |

H. Mix $6; L. Mix $5.50; Leg. Ckls. $1.50; Hvy. Ckls. $5.50. T. J. EHRENZELLER, Box E, McAllisterville, Pa.

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NAME .....

ADDRESS .....

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## *851,300 at Congress*

[Continued rom page 22]

James E. Rice, General Chairman of this Congress and one of the founders of this world-wide organization of poultry scientists.

Prof. R. B. Thompson, Oklahoma A. and M. College, was named first vice-president for America, while Dr. G. F. Heuser, Cornell University, was re-elected to his post of secretary-treasurer.

No decision was made as to the country which would play host to the next World's Poultry Congress, but it is believed that it will be largely a gathering of poultry scientists rather than an exposition.

### Creighton Again Heads Federation

Hobart Creighton, Warsaw, Ind., was re-elected president of the National Poultry Producers Federation, with James E. Rice as honorary president.

Other officers chosen were Earl W. Benjamin, New York City, first vice-president; L. Harris Hiscock, Skaneateles, N. Y., second vice-president; Herbert Beyers, Salt Lake City, Utah, third vice-president; Herbert Copeland, Anacostia, D. C., secretary; and John H. Weed, Vineland, N. J., treasurer.

Many organizations held special meetings during the Congress. Among them were several state groups. A new national turkey council was formed.

### Industry Holds Mass Meeting

At an industry mass meeting held Saturday afternoon, August 5, the executive board of the Seventh World's Poultry Congress was empowered to act as a planning committee for a consumers' educational program, reporting its recommendations to the industry early in 1940. Approval was also given to a motion that an advisory committee of 48 members, one from each state, be named by the various state Congress committees of the recognized poultry organizations in those states.

## *Through the Editor's Specs*

[Continued from page 3]

Our poultry business has managed to fare better than most branches of agriculture, many of which have received a lot of help from the government. We have had our ups and downs, but those fluctuations are preferable to government activities which, while they aim to improve prices for certain commodities, have the effect of putting a group of producers in constant hot water.

Cool and inviting was the booth of Whitmoyer Laboratories, Myerstown, Pa., at the Poultry Congress. Samples of their products were displayed in inverted bottles.

# News Notes

## CALENDAR OF EVENTS

Aug. 31-Sept. 1, Third Annual Business Management Conference for Egg and Poultry Marketing Cooperatives of the Northeast, Pennsylvania State College, State College, Pa.

Sept. 4-5, National Turkey Festival, Harrisonburg, Va. J. A. Garber, Director-General.

Sept. 6-9, Maryland Poultry Products Marketing School, University of Maryland, College Park, Md.

Sept. 18-20, 16th Annual Poultry Judging School, Ohio State University, Columbus, Ohio.

Oct. 12-13, Jersey Chick Convention and Exposition, Hotel Claridge, Atlantic City, N. J.

Oct. 16-20, 19th Annual Poultry Short Course, Pennsylvania State College, State College, Pa.

Oct. 16-28, 21st Annual Poultry Short Course, Purdue University, Lafayette, Indiana.

Oct. 18-20, Semi-annual Meeting of Pennsylvania State Poultry Association, State College, Pa.

Dec. 8-10, 4th Rhode Island Poultry Industries Exposition, Cranston Street Armory, Providence, R. I. W. H. Colter, Jr., Sec., 310 State House, Providence, R. I.

Jan. 3-7, 1940, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N.Y.

Jan. 10-14, 1940, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

Jan. 15-19, 1940, Pennsylvania Farm Show, Harrisburg, Pa.

## SHOW DATES

Aug. 26-Sept. 9, New York State Fair, Syracuse, N. Y. Barney W. Mosher, Supt. Poultry Dept., Johnstown, N. Y.

Sept. 10-16, Brockton Fair Poultry Show, Brockton, Mass. Fred S. Sanders, Supt. Poultry.

Sept. 11-16, Reading Fair Poultry Show, Reading, Pa. Charles W. Swoyer, Sec.

Sept. 12-16, Mineola Fair Poultry Show, Mineola, L. I., N. Y. Silas H. Andrews, Supt.

Sept. 14-16, Millersburg Poultry Show, Millersburg, Pa.

Sept. 17-23, 23rd Annual Eastern States Exposition, Springfield, Mass. C. A. Nash, General Manager.

Sept. 19-23, The Great Allentown Fair Poultry Show, Allentown, Pa. Frank G. Christman, Supt. Poultry, East Greenville, Pa.

Oct. 1-8, National Poultry Show, Southeastern Fair, Atlanta, Ga.

Oct. 3-7, York Fair Poultry and Pigeon Show, York, Pa. John H. Rutter, Sec., 141 W. Market St., York, Pa.

Oct. 12-14, 8th Annual Holyoke Poultry Show, Holyoke, Mass. J. W. Young, Sec.

Nov. 16-19, 16th Annual Essex County Poultry Association Winter Show, Carlstadt, N. J. Albert Fischer, 26 Jerome Ave., Belleville, N. J.

Nov. 29-Dec. 3, Rochester Poultry Show, Rochester, N. Y. Don W. Cook, Sec., 220 Harding Rd., Rochester, N. Y.

Dec. 2-4, The New Haven Show, New Haven, Conn. Eric Dahlberg, Sec'y, 450 State St., New Haven, Conn.

Dec. 4-9, 15th Annual Pittsburgh Poultry Show, Duquesne Gardens, Pittsburgh, Pa.

Dec. 6-10, Detroit International Poultry, Rabbit and Pigeon Show, Convention Hall, Detroit, Mich.

Dec. 7-10, Chicago International Poultry Exposition, Chicago, Ill. Geo. Fitterer, Mgr., P. O. Box 518, Chicago, Ill.

Dec. 8-10, Danbury Poultry Show, Danbury, Conn. W. M. Roth, Sec., 8 Hoyt St., Danbury, Conn.

Dec. 14-17, Dayton Poultry Show, Dayton, Ohio. Carl F. Schelling, Sec., R. 7, Dayton, Ohio.

Jan. 3-7, 1940, Central States Poultry Show, New Castle, Ind. Wm. Pickens, Sec., Rt. 2, New Castle, Ind.

## CONDITIONS

**Hatchery Capacity Rises Sharply**—Estimated number of hatcheries in 1938, according to the U. S. Department of Agriculture, was 11,559, compared with 11,405 hatcheries in 1934, representing a gain of 1.4 per cent, but total egg capacity of hatcheries in 1938 was 406,945,000, compared with 276,287,000 in 1934, representing an increase of 47.3 per cent.

**The egg-feed ratio,** compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| June 15 | 11.8 | 7.6 | 9.6 |
| June 22 | 11.0 | 7.4 | 9.4 |
| June 29 | 10.1 | 7.2 | 8.8 |
| July 6 | 9.2 | 6.5 | 7.5 |
| July 13 | 9.5 | 6.1 | 7.5 |
| July 20 | 9.7 | 6.1 | 7.5 |
| July 27 | 8.7 | 6.7 | 6.9 |
| August 3 | 8.8 | 6.1 | 6.8 |
| August 10 | 8.4 | 5.3 | 6.8 |
| August 17 | 8.0 | 5.0 | 7.0 |

**Commercial Hatcheries Set New Record**—Commercial hatcheries set a new all-time high record for chicks produced during the seven months January through July, 1939, with a 21 per cent increase over last year, 47 per cent increase over average production for the years 1933-37, and 19 per cent increase over the previous high record, January through July, 1936. Eggs set by commercial hatcheries in July were 39 per cent more than last year, 12 per cent more chicks were hatched, and 7 per cent more chicks were booked for August 1 delivery or later this year than last.

**More Layers in Farm Flocks**—Number of layers in farm flocks on August 1 was 3 per cent greater than a year ago, according to the U. S. Department of Agriculture, and the number of pullets not yet of laying age in farm flocks on August 1 was more than 6 per cent larger than last year.

## STAMPS FOR EGGS

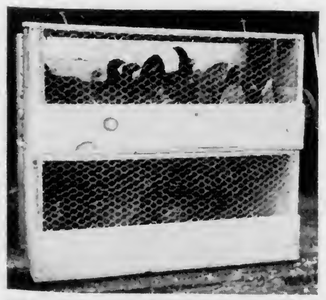
**Use 30 Per Cent of Food Stamps for Eggs** — Thirty per cent of the $123,000 worth of stamps used by needy families in Rochester, N. Y., from May 16 to July 15, were used to purchase 155,000 dozen eggs, according to the U. S. Department of Agriculture. This was second only to butter, for which about 32 per cent of the stamps were used in obtaining 147,000 pounds of butter.

## OBITUARY

**Sir Edward Brown,** first president of the World's Poultry Congresses and one of the originators of the idea, passed away at his home in England on August 7 at the age of 87 years. He had attended every World's Poultry Congress except the last one in Cleveland, but a message of greeting from him was read by F. C. Elford at the opening session, and the audience rose in tribute.

While Sir Edward began as breeder and exhibitor of Brown Leghorns, he later became a strong advocate of the commercial possibilities of poultry. He was instrumental, through his part in forming the National Poultry Council, in getting the English Ministry of Agriculture to appoint a poultry commissioner and to establish the National Institute of Poultry Husbandry. In 1930, the King conferred knighthood upon him for work on behalf of the poultry industry.

**Hobart Creighton, Indiana poultryman and president of the National Poultry Producers Federation, on the new lightweight Ford farm tractor at the World's Fair on August 8. He was one of the 96 Champion Farmers, brought to the Fair by the Firestone Tire and Rubber Company in celebration of National Farm Week, who saw the demonstration of this new tractor.**



**Here is shipment of Hubbard Farms New Hampshires about to leave for the Grenfell Mission in New Foundland and Labrador. Since winters are very severe in New Foundland, vigorous, healthy, rugged birds are required. Hubbard Farms donated these birds to meet a real need for hardy, big-bodied hens to supply eggs and meat to the inhabitants of New Foundland and Labrador who lead a rather bare existence.**

## MISCELLANEOUS

**Surplus Egg Purchases Pass 3-Million Mark**—During the fiscal year ending June 30, 1939, the Federal Surplus Commodities Corporation purchased 3,210,000 dozen fresh eggs for distribution to families on relief.

**Violates Indiana Poultry Law**—Russell Bell, Indianapolis poultry dealer, recently was arrested for selling sick chickens by the head. The birds had been shipped from the West for New York City, but were unloaded in Indianapolis after becoming sick.

**Hen Lays Egg with Four Yolks** — The first quadruple-yolk egg on record in New Jersey was produced recently by a White Leghorn hen on the poultry farm of Harry Horlick, Milltown, N. J. Poultry specialists at New Jersey Experiment Station found the egg to measure 5½ inches in circumference the short way and 7⅜ inches around the long way.

**Asks $500,000 Appropriation for Poultry Terminal**—A plan for establishing a city-controlled wholesale live poultry terminal in New York City, presented by William Fellows Morgan, Jr., New York City commissioner of markets, recently was approved by the New York City Planning Commission. An appropriation of $500,000 was requested by Morgan.

## THE TRADE

**Pennsylvania Salt Mfg. Co.,** Dept. 206, 20 N. Wacker Drive, Chicago, Ill., has published a helpful booklet, "Practical Guide for Thrifty Poultry Raisers," explaining how to use lye solution effectively in cleaning poultry houses and equipment and in other phases of the sanitation program. This booklet, which can be obtained by writing to the above address, also tells how to increase egg profits by cleaning dirty eggs with a dilute lye solution.


KRESO DIP No. 1 STANDARDIZED

Disinfect Poultry Houses

Kreso Dip No. 1 is *standardized* —always the same efficiency in killing lice, mites, disease germs, and all insect parasites. Ideal for cleaning. Used for all livestock.

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PARKE, DAVIS & CO., DETROIT, MICH.
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Profits from broilers depend upon livability, rapid growth and early full feathering . . . Hubbard's New Hampshire Rocks inherit these money-making characteristics . . through planned breeding. They develop into heavy-meated, solid broilers. Weekly hatches. Write for free broiler folder.

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ANIMAL-POULTRY YEAST FOAM
*For Feeding Poultry*

Ask your dealer for Yeast Foam System Feeds. If he is not ready to supply you, try adding Animal-Poultry Yeast Foam to your present feed. A 4-lb. box only $1.00 delivered in U. S. Northwestern Yeast Co., Dept. D, 1750 N. Ashland Ave., Chicago, Ill.

CHRISTIE'S New Hampshires Burst Forth Full of SPIZZERINKTUM

Fall Broiler Chicks

that will give you Fast Growth, Been Feathering, High Livability, Plump, Well Finished Birds. The rugged strain preferred by big growers.

Chris-Cross BARRED
Straight New Hampshires
For Quick Delivery, Order NOW
Write for Fall Prices and Literature

ANDREW CHRISTIE, Box 10, Kingston, N. H.

TOLMAN'S WHITE PLYMOUTH ROCKS
BABY CHICKS - - $12.00 per 100

All Eggs used are from My Own Breeders. 100% State Tested (BWD free). Tube Agglut. TOLMAN'S ROCKS famous for generations for EARLY MATURITY and RAPID GROWTH. Exactly suited for Broilers and Roasters. Send for FREE Circular.

I Specialize—One Breed, One Grade at One Price

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DEPT. E. ROCKLAND, MASS.

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Ore. R.O.P., Oak Knoll Str. WH. LEGHORNS
TRAPNESTED SINCE 1923 DEVELOPED TO PROFITABLE PRODUCTION
OAK KNOLL POULTRY FARM
Morris Christensen, Box 74C, McCOY, OREGON

"FORTY-EIGHT 300 TO 351 EGGERS IN OFFICIAL R.O.P."

With

ANDERSON QUALITY FEEDS

GOOD BREEDING PLUS GOOD FEED

"It takes a combination of good feed and good breeding to make high records," says H. H. Lewis (pictured above) of Westminster, Md. And Mr. Lewis certainly should know. His flock of R.O.P. Leghorns averaged 286 eggs per bird to score highest official record of any R.O.P. flock in the nation for 1938. They didn't stop there—48 of them laid from 300 to 351 eggs to hang up a new all-time high for Maryland. 68.83% of the candidates qualified. Mr. Lewis writes, "All my birds entered in Maryland R.O.P. were fed Anderson Quality Feeds from start to finish. I cannot recommend them too highly. I shall continue to use Anderson because I known now, from experience, that their feeds are perfectly balanced and honestly sold."

Thousands of progressive poultry raisers use Anderson Quality Feeds. Satisfied, successful customers are our best advertisement.

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| NEW HAMPSHIRE REDS | 7.00 | 8.50 | 7.50 |
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| HEAVY MIXED | 5.50 | ..... | .... |

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Special LOW PRICES for Early Deliveries
● Big vigorous healthy males from our Michigan and Florida Egg Contest winners. Some sired from our 1st World's Poultry Congress Cock. They will increase your egg production, egg color, & size.
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Published by the American Poultry Association. Followed by all judges in all poultry shows in the United States and Canada. Describes the requirements for shape and color of every section of every variety of Standard-bred fowls, turkeys, ducks, geese and bantams. Contains instructions to judges; more than 200 illustrations of Standard specimens; 15-page glossary of technical terms with 41 drawings of perfect and defective combs, backs, tails, color patterns, etc.; discounts for defects. 500 pages. Cloth. .....$2.50

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

Please Mention Everybodys When Writing Advertisers



**Firestone Host to Farm Champs** — Approximately 100 champion farmers from the State of Washington to the coast of New England, each previously recognized for outstanding performance in his own line of farming, were guests of the Firestone Tire and Rubber Company at its New York World's Fair Exhibit on August 7 and 8.

During the course of their visit, they saw the Firestone method of making tires, made a general tour of the Fair, and founded the Champion Farmers Association of America. On the evening of the second day, they were guests at a banquet held under the open sky at the Firestone farm section of its Fair display. Leonard K. Firestone, Grover Whalen, Wheeler McMillen of Farm Journal and other well-known figures in public life were among the speakers.

All of the Champion Farmers had appeared on the Firestone Farm radio program with Everett Mitchell, farm commentator. The radio interviews, which bring out the underlying success of each of the Champion Farmers in his particular field of agriculture, are available in book form to readers who write to the Firestone Tire and Rubber Co., Akron, Ohio.

**S. Penick & Company** of New York is preparing to market a new vitamin A concentrate, derived from fish livers by a new process. Its qualities are crystal clearness and freedom from undesirable odors.

**Cites Danger in Laxity on Disease**—"It is startling and disquieting to observe, that with all the facilities now available for the control of the most devastating poultry diseases, an obvious laxity in the application of tried and proven methods has brought about an ominous increase in the ravages of such disease," declared Dr. A. D. Goldhaft, Vineland Poultry Laboratories, recently.

He pointed to the report of the disease laboratory of the New York State Institute of Applied Agriculture of a 100 per cent increase in the number of diagnoses on pullorum, fowl pox and laryngotracheitis. The press bulletin of the Institute stated, "Outbreaks of these diseases can be prevented, and loss through death and reduced egg production minimized, if the poultryman will take the proper control measures."

Dr. Goldhaft cited the value of stained antigen in eliminating pullorum reactors, and the development of vaccines for fowl pox and laryngotracheitis, stating, "Everything has been made easy, safe, inexpensive and generally economical for the breeder, hatcher and producer, by science."

## PEOPLE

**Frank Conway**, Buff Orpington breeder, has severed his connection with Overbrook Farm where for seven years he was in charge of the poultry breeding operations, to establish his own breeding farm near Indianapolis. He has taken with him his famous "Stay Buff Orpingtons" and will continue to breed and exhibit them. His address is Shadeland Dr., R. 15, Box 694-B, Indianapolis, Ind.

**This is the Farmall-A, the International Harvester Company's entry in the low price tractor field. It has a 4-cylinder engine operating with four forward speeds ranging from 2¾ to 10 miles per hour. "Culti-vision" is the term used to apply to the feature whereby the operator's seat is directly over the row in cultivating. There is no leaning to the right or left to see the row. The economy of the Farmall-A is illustrated by the fact that on one gallon of fuel, it will plow up to an acre, depending on soil conditions, or plant 3 to 4 acres of corn, or shell 200 to 300 bushels of corn, or haul a loaded wagon 11 to 14 miles.**

**Louis Paul Graham,** veteran poultry artist and judge, has been named official photographer of the Golden Gate International World's Fair Poultry Show, San Francisco, Calif., where he will judge in November.

**Byron H. Clark** who has been assistant to R. Walter Bishop famous R. O. P. Barred Rock breeder of Connecticut for over seven years, has resigned his position to open his own advertising agency under the name of the Yankee Writing Service. He will be located at Guilford, Connecticut, with additional office facilities at 11 Whitney Avenue, New Haven, Conn.

Mr. Clark is well-known to hundreds of breeders, hatcherymen and poultrymen whom he has met at poultry meetings, hatchery conventions and at the World's Poultry Congress.

**J. Robert Smyth** has been appointed head of the new poultry department recently established at the University of Maine. Instruction in poultry husbandry has been given up to this year by the department of animal husbandry, but increased interest in the poultry courses has made the new department necessary.

**Here is the latest laying house erected on the Andrew Christie Poultry Farm, Kingston, N. H. It is 26 feet deep and 208 feet long. It is one of the group of buildings housing more than 35,000 "Spizzerinktum" breeders.**



*Conducted by Aunt Sally*

# Everybody's Home Page

Modern Science Institute

### Eggs, Potatoes and Peas

Near this date each year there comes a day when I find choice, big potatoes, just the size for baking, down on the basement table, beside the baskets of eggs brought in for the day's production. At once that culinary triumph flashes across my mind —stuffed potatoes with an egg on top.

This is the way to proceed. Prepare the required number of potatoes by thorough scrubbing then grease heavily with lard or bacon fat and slip into oven set for baking them without burning the skin. When baked, hollow out each potato — beating until light and fluffy. Season and refill the potato cases. Make a depression in each and break into each one an egg. Return the filled potatoes to a moderate oven and bake until the eggs are cooked as the family likes them best. Arrange on a serving platter and surround with mounds of buttered peas.

### More Cherries, Please?

The popularity of a cherry pie never seems to grow less. Everyone seems to like the snappy colorful fruit when baked in a pie which adds to its glory and fame. For a different cherry pie, here is one sure to win your favor. The texture is different from a double crusted pie, the flavor most unusual and, best of all, no juice to run out. After you have made this pie and eaten it, your order for canning cherries will likely be doubled so you may have it more often. The large Mount Morency cherry is the variety that makes this pie ideal, although any sort of a cherry may be used.

Soak one tablespoon of plain gelatin in cold water. Heat 1½ cups sugar and 1¼ cups cherry juice and a dash of cinnamon to the boiling point and stir until the sugar is dissolved. Add the soaked gelatin (or 4 tablespoons corn starch wet with cold water) to the hot juice and set in a cold place until a quivery jelly is formed. Carefully fold in 2 cups of pitted red cherries (or a No. 2 can) and ½ cup of broken black walnut meats so they remain in suspension. Pour the mixture into a cold, crisp, freshly baked pie shell and let it become firm before topping with 1 cup whipped cream. If using the corn starch, stir the cherries right in when it is added, for it will thicken up in the kettle and the cherries will not sink to the bottom as would be the case when gelatin is used. This recipe can be used for any sort of berries or fruit with the same good results.

### Beat the Heat

One piece of kitchen equipment is worth its cost these hot, sultry summer days, and that is the refrigerator. All makes, all sorts, but by whatever name, they are life and time saving in proportion as we plan for them.

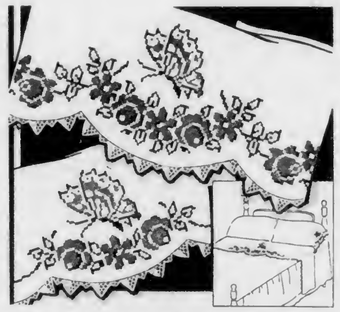
Holding perishable goods from one day to another was the bane of years gone by. Now the refrigerator is packed with dinner possibilities when rightly used. Are you making the most of your refrigerator by holding quantities of cooked foods? Do you roast larger meat cuts for cold slicing and to use in sandwiches and salads as the backbone of future meals? Cream sauce can be made by the quart to be used for soups, creamed vegetables, casserole dishes and much time is saved in the preparation for each.

Cooking a double portion of potatoes with the same heat is a neat trick, the extras being served in potato salad and hashed brown. Meet the salad situation, which becomes acute around this date, by having jars of boiled mayonnaise and French dressing stored ready to use.

Hard-cooked eggs fill a dozen needs just now. Cover the halved eggs with a hot sweet vinegar for a supper dish. Devil them or slice plain around the salad. That ever-ready mixed pastry is much cheaper when made in your own kitchen; always have a jar just ready for the water or milk liquid. We use our own lard for the shortening and have a 2-quart jar filled, for in a few steps the biscuits are tinting brown in the quick oven and from the jar of piecrust mix, a pie shell is soon ready for its filling.

Having a regular corner for sandwich spreads and cheese, will keep Johnny from stirring everything around when that hunger urge hits him. . . Are you cautious about placing hot or warm dishes in the refrigerator? When clearing things away after meals, remember meats stored in a jar with the gravy, can be quickly reheated by immersing the jar in a pan of hot water which comes half way up the jar. This thought saves extra dishwashing —a timely welcome any time of year.

Here is a pie hint good on any date: Slip the crust into the refrigerator several hours before the berry or soft custard is poured into it, and you will have no worry about a soggy crust.



### Household Linens—Pattern 2030

Cross stitch with a narrow crocheted edging makes varied handsome linens. Pattern 2030 contains a transfer pattern for a 7¼x21½ and two 6x16 inch motifs; directions for crochet; materials required; ill. of stitches.

Send 10 cents in coin for this pattern to **Everybodys Poultry Magazine, Needlecraft Dept., 82 Eighth Ave., New York City.**

## *Our September Patterns*

**Pattern 9847** . . . Schooldays and play hours are more fun dressed in a smart jumper frock. Those cunning curved side panels that extend to form straps are new and delightful. See the fresh, perky blouse, with its puffed sleeves. Designed for sizes 4 to 12. Size 6, jumper dress, requires 1 yard 54 inch fabric, and blouse, ⅞ yard 36 inch fabric.

**Pattern 9104** . . . Slim lines for a matron in checked cotton, rayon or wool dress. The all-around yoke is darted below to release nice fullness; the bias panel in the skirt and the attractive pockets are grand hip-slenderizers. Designed for sizes 34 to 48. Size 36 requires 4⅜ yards 35 inch fabric.

**Pattern 4180** . . . She takes a letter or swings off to school looking trim and young in a princess-effect dress. This collar model is a delightful surprise, with "winged" revers and a tiny bow-tie. Designed for sizes 12 to 20 and 30 to 40. Size 16 requires 3⅞ yards 35 inch fabric and ½ yard contrast.

Price of patterns 15c (in coins) each. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

### Want to be a Fall "Fashionable?"

Fall days, crisp and golden, are hurrying your way. Match that exhilarating tang in the air with an exciting new wardrobe. Greet the new season looking bright and right! Order the FALL AND WINTER PATTERN BOOK today! Illustrated with all the brilliant color of autumn leaves. It's a whole parade of last-word styles. There are entrancing "party-girl" frocks . . . work-a-day clothes for town and office. Slick tailoreds that are easy to live in . . . after dusk styles to give you glamor. New accessories from Manhattan; back-to-school togs for kindergarten tot, grade-school girl and co-ed. There's gay and efficient kitchen and at-home wear, and pretty lingerie. Every "fashionable" is considered, including the too-heavy matron who wants to "fool her public." And each pattern is designed to be easily, quickly made at home. Send for this amazing pattern book right NOW!

Price of the book is 15c. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

## Worthwhile Information

**If you are not making use of the poultry information offered by manufacturers serving the poultry industry, you are overlooking a profitable source of ideas. Many years of practical experience and research are embodied in this literature. Below are some of the educational bulletins and folders offered by advertisers. You can obtain them by writing DIRECT to the address after each listing.**

**Nuggets of Poultry Progress** — A new 16-page booklet reviewing 16 years of research on Larro feeds.—Larrowe Milling Co., Dept. D, Detroit, Mich.

**Wood Charcoal in Poultry Feeding**—A booklet telling how wood charcoal is used in overcoming indigestion, sour crop and bowel disorders in poultry. — Wood Charcoal Research Bureau, P. O. Box 389, Desk E, Jacksonville, Fla.

**Feeding for Profit**—An interesting folder telling what iodized mashes have done for the poultryman. Colorful, well illustrated. — Iodine Educational Bureau, Inc., Dept. EPM-8, 120 Broadway, N. Y.

**Science Safeguards Your Flock Against Disease** — A new booklet describing how you can prevent such diseases as tracheitis, fowl pox and pullorum disease. Gives a poultry health program. Tells how egg-propagated vaccines are made. —Vineland Poultry Laboratories, Box 70-C, Vineland, N. J.

**Ful-O-Pep for Laying Hens**—A new 32-page book explaining the Ful-O-Pep feeding program and giving valuable hints for laying flock management.—The Quaker Oats Co., Dept. I-4, Chicago, Ill.

## Service Brieflets

### Disease

☐ † **D1—Respiratory Diseases.** 3-cent stamp.
☐ † **D2—Fowl Paralysis.** 6 cents in stamps.
☐ † **D3—The Control and Prevention of Worms in Poultry.** 3-cent stamp.
☐ † **D4—Everybodys Poultry Disease Diagnosis Guide.** 6 cents in stamps.
☐ **D7—Coccidiosis.** 6 cents in stamps.

### Housing

☐ † **H21—Moisture-Proof Floors for Poultry Houses.** 3-cent stamp.
☐ † **H22—Housing Fundamentals.** 3-cent stamp.
☐ **H23—Built-Up Roofs.** 3-cent stamp.
☐ **H24—Plans for Constructing a Poultry Incinerator.** 3-cent stamp.
☐ **H26—Plans for a Mash Fermenting Cabinet.** 3-cent stamp.
☐ **H27—How to Use Insulation in Poultry House Construction.** 3-cent stamp.

### Brooding

☐ **BG70 — How to Separate Pullets and Cockerels Early.** 6 cents in stamps.
☐ **BG72—Battery Brooding Facts.** 6 cents in stamps.
☐ **BG71—Succeeding With Broilers.** 6 cents in stamps.

### General

☐ † **G40—Plans for a 1500-Hen, One Man Poultry Farm.** 3-cent stamp.

### Management

☐ **M84—Artificial Lights in the Laying House.** 3-cent stamp.
☐ **M85—Controlling Canibalism.** 3-cent stamp.

### HOW TO ORDER BRIEFLETS

Check the brieflets you wish, clip this department, write your name and address on the margin, and mail with your remittance to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa. If you do not wish to cut this copy of the magazine, simply list the brieflets desired in a letter and mail with your remittance.



# Science Marches On!

By Carl H. Schroeder

**Cod liver oil proved superior to ultraviolet light treatment** as sources of vitamin D for confined laying hens. In experiments conducted by Nestler of U. S. Dept. of Agriculture (Jl. Agricultural Research 54,571-582). Cod liver oil yielded better results as regards livability, body weight, number and size of eggs, shell texture and hatchability. The groups receiving neither cod liver oil nor ultraviolet light were far inferior in every respect.

• • •

**Vitamin C** is generally considered not required by poultry or else the domestic fowl is capable of "manufacturing" its own "C". In view of this conception it is interesting that appreciable amounts of ascorbic acid, the chemical equivalent of vitamin C, were found in the blood of chicks by Arthur D. Holmes and Francis Tripp of the E. L. Patch Research Laboratories (Journal of Nutrition, Vol. 16, No. 5).

• • •

**Breeding for Egg Production,** California University Bulletin 626, by L. W. Taylor and I. M. Lerner, has recently come off the press. This publication is one of the best ever published on this subject. The technical problems of breeding are treated as briefly as possible, yet comprehensively and in a manner which makes the information available to the practical poultry breeder who is not conversant with genetic terms. Some minor problems are disposed of rather dogmatically and some could be subjected to debate, but this does not detract from the value of the bulletin as a bird's-eye-glimpse of the science of breeding and as a guide to flock improvement by breeding. For the latter purpose, it is a classic. If you are interested in poultry breeding you should write for it, and if you don't, you ought to. It's a classic.

• • •

**Round worm infestation decreases feeding efficiency.** That this is apt to be the case has long been suspected on general grounds, but J. S. Andrews of the U. S. Department of Agriculture (Jl. of Agr. Res., Vol. 57, No. 5) submits conclusive corroborating evidence on this point. These investigations were conducted with lambs, but there is no reason why these findings are not applicable to poultry. Round worm infestation lowered the ability to convert feed into growth or weight gains, thus increasing cost of production even though the infestation may not be sufficiently heavy to produce clinical symptoms.

• • •

**The relationship of worm infestation to fowl paralysis,** "big liver disease" and allied conditions is still a matter of debate among investigators. Some hold that intestinal parasites have no effect upon the occurrence of this disease complex, while others maintain the opposite point of view, while still others feel that parasitism, including coccidiosis, affords an easy port of entry for the causative agent and, thus, are at least indirectly associated with each other.

A new conception is advanced by P. A. Clapham (Jl. of Helminthology, Vol. 16, No. 1), and supported by circumstantial, but considerable, evidence to the effect that the presence of the viruses or agents responsible for paralysis, leukemia, etc., may predispose the chicken to infestation with worms.

• • •

**Eyes stimulate the number of sperms produced.** This conclusion was reached by Ringeon and Kirschbaum (Proceedings Soc. Exptl. Biology and Medicine, 36, No. 2). Sparrows, which had their heads covered to exclude light, produced fewer sperm cells than sparrows without "hoods," indicating that the stimulation of sperm production took place in the eye region.

• • •

**Ants act as intermediate hosts for some** tapeworms. The role of ants as intermediate hosts has long been suspected, but recently investigations by Jones and Horsfall have produced definite evidence, at least as regards two species of tapeworms, including the one causing so-called "nodular disease," a condition affecting the intestinal tract and sometimes mistaken for tuberculosis (Jl. of Parasitology, 21, 442-443; Science 83, 303-304).

• • •

**Argyrol treatment against coryza,** a form of cold, failed to yield satisfactory results when injected into the sinuses of affected pullets by Dickinson and Beach at the University of California (Jl. of Am. Vet. Med. Assn., Vol. 46, No. 2). These results are contrary to the observations by this reviewer. The explanation might be found in the fact that at least two, and possibly more, forms of coryza exist, and that the argyrol treatment is not equally efficacious with the different forms of this infection.

• • •

**A blood protozoan of turkeys, transmitted by the blackfly,** has caused heavy losses among young poults in some areas of the Central East. Johnson and coworkers of the Virginia Experiment Station were the first to study and report this disease (Am. Jl. of Hygiene, Vol. 27, p. 649). The causative agent is a protozoan, that is, a one cell organism representing the smallest and, in more than one sense, the lowest form of animal life.

The disease occurred chiefly among poults less than 12 weeks of age. The symptoms, usually lasting but a few days, were primarily lack of appetite, unsteady gait, droopiness and listlessness. Recovered survivors became "carriers." The disease is not transmitted by direct contact between sick and healthy birds, nor by feeding or injecting infected material. Feeding emulsions of blackflies caused the disease to appear in less than two weeks. Fly-proof shelters afforded complete protection. Losses among affected birds ranged between 10 to 50 per cent.

**"After all, I don't suppose there is much difference between me and Marie Antoinette!"**



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# EVERYBODYS POULTRY MAGAZINE

10 CENTS

OCTOBER 1939

*Turkey Festival*
PAGE 6

*Outlaw Eggs*
PAGE 5


*Published at Hanover, Pa.*

# This Month With Your Flock

### Don't Overcrowd the Layers

This applies to old hens as well as young pullets. Overcrowding can cause a multitude of troubles—feather-pulling, toe-picking, floor-laying with egg-eating resulting. It is frequently followed by colds and other respiratory troubles. If you don't have room for all old hens and new pullets, cull out and sell the poorest. It will pay in the long run.

### Handle Pullets With Care

Newly housed pullets are delicate creatures. Any strange noise will cause them flying in every direction. Work as quietly as possible around them, making no unnecessary motions or noises. Keep strangers out of the houses. Avoid blowing car or truck horns outside. Rap on the door before entering the pen.

### Keep Flats and Fillers Clean

A good way to keep flats and fillers clean, dry and free of musty odors is to stack them on a shelf in your egg storage and packing room. Cases should be cool for packing eggs, but keep them up off the damp floor to prevent growth of mold. See that the air in the egg room is always fresh and clean-smelling.

### Start the Records Again

October--the dawn of a new year on most poultry farms—is record-starting time again. But don't pack away last year's records without studying them first. Find out where you slipped up along the line so you can iron out those rough spots this year. It's a dollars and cents proposition!

[Turn to page 18]


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BRIGHTWOOD VIRGINIA

"Frankly, it's O.K. with me if they skip it entirely."

# Through the Editor's Specs

### Time for Cool Headwork

Within a few days after bombs began to rain from the skies in eastern Europe, the effects of war were already being felt by poultry raisers in the prices which they had to pay for feed.

On the basis of supplies of wheat and other feedstuffs, however, there is no reason why feed prices should make any spectacular rises. The sudden rush of buying of wheat was prompted by war psychology — the same thing that caused frightened housewives to rush to grocery stores and lay in stocks of sugar. Sugar prices went up, of course, because stores could not replenish their supplies so quickly after the spirited demand, but there is no shortage of raw sugar in this country.

Heavy surpluses of both wheat and corn exist in this country. These supplies, built up through the government's activities in bolstering farm prices through acreage restriction, crop loans and subsidies on exports, have constituted a menace to future farm prices, but in the present situation, they should help to prevent feed prices from getting too far out of line. Already, the wheat market seems to be settling down to a more normal basis after the flurry in early September.

The food situation over the world is much different than it was in 1914. Then, European countries were caught short before the harvests had been completed. This year, on the other hand, there have been good wheat crops over the world, and the men who decide about war waited until most of the important crops had been harvested before unloosing the fury of their tools of destruction.

But when war does affect such a large part of the world's people, it is bound to be felt in rising prices for those products which are being purchased by warring nations. Recalling the high prices of food during the 1914-18 war, there will be a strong temptation offered to many farmers to expand their production.

In a statement issued on September 1, Secretary of Agriculture Henry A. Wallace urged farmers to proceed with their production plans as if the outbreak in Europe had not occurred. In press conferences since that time, he has emphasized the dangers which exist in an expansion of farming operations, pointing out the loss of farms and wide distress which occurred after the previous war.

Poultry raisers should heed this advice. If production costs do climb, it will be necessary to do just a little bit better job of management than ever before. The flock will have to be fed for best results, disease losses will have to be reduced, and overhead expenses will have to be cut by more efficient use of equipment and housing. It is a time for cool, deliberative headwork, and the poultry raiser who is busy tending to his own job will not have too much time to be concerned about the surge of the battle lines across the Atlantic.

### Egg Quality in Autumn

When the cool days of autumn come upon us, why should eggs suddenly drop a grade in quality? This has been a baffling question, one that has troubled many egg producers.

In digging into the problem, the Ohio Agricultural Experiment Station, working in conjunction with the Wooster Egg Auction, seems to have found the answer. It is too little moisture in the egg room. Humidity, they call it.

As on many poultry plants, the egg room at the Ohio Station is a base-

[Please turn to page 22]


OCTOBER 1939 **Everybodys Poultry Magazine** Vol. 44, No. 8

C. N. Myers, President
Jas. T. Huston, Vice-pres., and Mgr.; R. B. Alleman, Sec'y-Treas.; Roland C. Hartman, Editor; Thomas E. Moncrief, Asst. Editor.

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*This is Oliver S. Williams of Rushville, New York, a well-known poultry breeder who specializes in Rhode Island Reds and New Hampshires. Mr. Williams is a consistent follower of the Beacon Feeding Program.*

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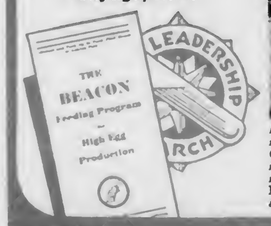

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# EXCERPTS

*from*

Poultry Congress Talks

### Housing Pullets

When the time comes to house the pullets, have the laying houses already perfectly cleaned, ventilation in good working order so the birds can be kept comfortable, mash hoppers ready, also hoppers for grit and shell. The nests should be ready. We use shavings for nesting material. The pullets do not scratch them out, which helps to keep the eggs clean.

In bringing the pullets from the range to the laying houses, I make a practice of making about three selections two weeks apart for each hatch, bringing them in when their development is about equal or at a time when their comb development is well along and they are nearly ready to lay their first eggs. I like to keep each pen in the laying houses at close to the same age and the same degree of development.—L. C. Beall, Vashon, Washington.

### Grain for Layers

I believe in using grain as a control of the lay, varying the amount according to egg production and the appetites of the birds. If the egg production is up to 75 or 80 per cent, then our men are instructed to give the birds all the grain they will take in the morning feed and at night also. If the production is down around 50 per cent, then just enough grain is fed to make the birds sing and be happy to see the attendant.

The first grain feeding for the day occurs at 7 a.m., when the attendant makes the rounds for the first time. He may feed as little as one pint of grain to 100 birds or it may run as high as two and three quarts for that number of birds, depending upon their rate of production. At 9 a.m., when gathering eggs, the attendant will throw a few hands of grain in the litter again, just enough to keep the birds active. This is done again between 1 and 2 o'clock when eggs are being gathered again. All of the grain is fed in the litter except at night when it is fed in part in the litter and the remainder in low troughs. I believe that the exercise which the birds get in scratching for the grain in the litter helps to keep them in good physical condition.

For the evening feeding of grain, the birds are given all that they will consume. The attendant makes the rounds the second time. If there is some grain still left in the litter, the birds in that pen will get no grain in the morning. On the other hand, if the birds show that they could eat more grain, they are given more immediately.

[Please turn to page 17]

By O. K. Moore

# Outlaw Eggs

*State laws which discriminate against eggs because of origin rather than quality do not aid egg consumption*

THE existence of trade barriers between the States," points out Henry A. Wallace, "provided a powerful incentive for calling the Constitutional Convention of 1787. The resulting Constitution, it was thought, insured free trade between the States.

"Today," warns Secretary Wallace, "We cannot say that we have free trade between the States."

Because of public health measures, certain tax laws, of motortruck regulation, of grading, labeling, and packaging laws and of state-financed advertising of farm products, Secretary Wallace issues his cautionary statement. As with practically every agricultural commodity, poultry — and especially eggs—are being subjected to laws, "outlaw" laws in fact, that prohibit their freest movement from state to state.

### Laws Hit Egg Traffic

Certain laws that retard egg and poultry traffic were drawn and have been administered to serve a worthy purpose. Yet, by-product elements inherent to these rulings serve to "jam" commodity traffic. Other laws have been created specifically to prohibit free flow of trade between states. Some state legislatures virtually are fortifying their states against "outside invasion." They treat their neighboring states as if they were foreign nations, not as friendly sister states each comprising one unit of a great country.

States are prohibited constitutionally from creating tariffs against one another. Paradoxically however, tariff walls have been erected around certain states by the passage of laws that have the same effect as though an actual tariff had been levied. While the United States may conserve capital for home use by levying tariff measures, states are not authorized to enact them. Nevertheless, many "hybrid-type-tariffs" borne of state legislation serve in a similar capacity, and consequently, fail to uphold the true spirit of Americanism.

### Some State Egg Laws

Egg labeling and grading legislation exists in 40 states with no two pieces of legislation alike. Four states—Florida, Georgia, North Carolina and South Carolina — have formulated their laws so that discrimination against out of state eggs forms their basis. These laws have been appropriately termed "foreign egg" laws. Furthermore, Montana, Arizona and Colorado make some form of discrimination against eggs produced out of state although their laws are not based upon this factor alone.

One State Department of Agriculture has made the statement that their egg law which discriminates against "foreign eggs" is for two purposes: First, to indicate to the purchaser the quality of the eggs on sale and second, to promote the use of state-produced eggs. Eggs sold in Florida, Georgia and Montana produced out-of-state must be labeled "shipped" and the name of the state of origin is required, while in North Carolina, South Carolina and again in Florida, the name of the home state must be applied if the eggs are produced within the state.

Look at the Florida situation. Many Georgia-produced eggs can reach the southern Florida resort markets quicker and in better condition than can West Florida-produced eggs. Yet, the Georgia product is shown discrimination. Florida, too, produces barely half the eggs consumed by Floridans. Other state legislation, likewise, can be condemned upon this basis. Florida leaders, doubtless seeing their mistake, endeavored to rectify the barrier which has been imposed upon out-of-state eggs. Hence, in the House of Representatives a bill was passed this last spring eliminating the word "shipped," but when it reached the Senate, concurrence between the House and Senate failed, so the regulation is still effective.

### Quality Secondary to Origin

Interstate trade wars, having advanced over a wide front with rapid movement, prevent out-of-state eggs, regardless of actual quality, from making the top grade in seven states! Imagine what this means. Although they actually grade sufficiently high, because they are out-of-state produced, eggs in seven states must be sold at a lower grade.

Rhode Island has set an un-American example in this respect. Her top grade is termed "Rhode Island Specials" and only Rhode Island-produced eggs may be sold in this grade. The next grade is known as "fresh eggs" which is unlimited as to state of origin.

[Please turn to page 16]

Rockingham's

# TURKEY FESTIVAL

VIRGINIA'S 1938 crop of 788,000 turkeys outranked, with the one exception of Ohio, that of all other states east of the Mississippi river. This year, Virginia expects to produce nearly a million turkeys, and between 400,000 and 500,000 will come out of Rockingham County in the famed Shenandoah Valley.

Last fall when Fox Movietone sent its cameramen into the county to take pictures of turkeys for showing at movie houses throughout the country around Thanksgiving, a number of growers, Harrisonburg business men and the county agent decided that turkey growing had assumed enough importance to justify a special celebration. Winchester had its apple festival, South Boston (Va.), its tobacco festival. Why not a turkey festival?

On September 4 and 5, thousands of people swarmed into Harrisonburg to see Rockingham County's first turkey festival. Mayor Swank welcomed the visitors. Bands played. A queen was crowned. Firemen held a "torchlight" parade, and around 40,000 people lined the streets the second afternoon to witness the festival parade which required a full hour to pass a given point.

Every eating place in town served turkey. The demand was so heavy that turkey dinners were crossed off the menu early in the evening at many restaurants. A Rural Electrification Administration demonstrator showed how to roast turkey. Four-H Club girls gave demonstrations.

A turkey institute was held in the morning of both days, with speakers from Washington, D. C., Pennsylvania and Illinois. About a dozen commercial firms had exhibits in booths erected in the street around the courthouse.

An 11-episode historical pageant, "Turkeyrama," had to be cancelled the first night because of rain, but played to an audience of 5,000 the second night.

Two turkey tours, held the first afternoon, enabled visitors to see as high as 120,000 turkeys in an hour and a half ride. Rockingham County turkeys are grown on range and roost out of doors.

**Queen Rockingham I** was Ruth Wampler, daughter of the leading turkey producer in the county. She is given a great deal of credit for starting the county's turkey industry by having successfully brooded by artificial means 54 out of 66 turkey poults which her father gave her 16 years ago when she entered 4-H club work. Those were days when turkey raising was a farm sideline, a very hazardous one at that. While Miss Wampler was kept busy with her queenly duties during the festival, they did not interfere with her regular morning task of milking a cow. She is employed in the office of the Wampler Feed and Seed Company, of which her father is an officer.

**Coronation of Queen Rockingham** was an impressive ceremony held under overcast skies the afternoon of the first day on the campus of Madison College in Harrisonburg. Part of the crowd of 5,000 which witnessed the inspiring spectacle is shown here. In the foreground are the trumpeters, while the girls holding chains of laurel and goldenrod are just half of the maids in waiting, all of whom were 4-H club girls from throughout Virginia.

**Virginia's Senator Harry Byrd** placed the crown on the head of the Turkey Queen. He made no speech, but merely expressed his appreciation of the honor.

**14 fire companies** and 7 bands took part in the "torchlight" parade. This is the Westernport, Md., drill team which won first prize for the team without a band.

**An expectant crowd** waiting for the turkeys that were thrown from the fifth story of a bank building, the turkeys going to those who caught them. The turkeys handled themselves well, one swooping 500 feet across the square into a pen of turkeys.

**J. A. Garber,** ex-congressman, was director-general. His own turkey flock totals 2,500; his broiler output, 20,000 birds.

**33 attractively** decorated floats, 16 bands, 20 other units, pretty girls, high-stepping girl drum majors, took part in the two-mile parade, biggest ever seen in Harrisonburg.

**The Rockingham Milling Company's** ship float won third prize. The City Produce Exchange float, surmounted by model turkey, was first.

**C. W. Wampler,** biggest turkey grower in the county, was a county agent off and on from 1910 until 1927 when he left the work to go into the feed business. A son, a nephew and he have 20,000 turkeys, while Mr. Wampler has another 100,000 being raised for him on shares in the county. At the recent Poultry Congress, Mr. Wampler was elected president of the new National Turkey Federation.

**Evelyn Hulvey** in an evening gown which she made from Bronze Turkey feathers. She has made a coat of 2,238 Bronze feathers, and also an evening gown and cape containing around 9,000 Wh. Holland feathers. The turkey feather garments, which required more than a year to make, were displayed in Harrisonburg dress shop windows during the festival and were reputed to have been insured at $45,000.

# New in *Poultry Science*

*The following review, replacing "Science Marches On" in this issue only, covers some of the papers presented by members of the Poultry Science Association before the 31st Annual Meeting, held in Cleveland in connection with the Seventh World's Poultry Congress.*

By Carl H. Schroeder

### Oats and Cannibalism

Does oats prevent cannibalism? A continuation of previous work was reported by Bearse, Miller and McClary from the Western Washington Experiment Station. These investigators feel their work justifies the conclusion that oat hulls and oat hull fiber tend to reduce the severity and incidence of feather picking and cannibalism.

On the other hand, Sheehy of University College, Dublin, Ireland, presented a paper in the scientific session of the 7th World's Poultry Congress at Cleveland, in which he states that "oats, with a fiber content similar to that of bran, does not inhibit this vice." He further concludes that "bulk in the form of wheat bran or beet pulp is a factor in preventing feather picking and cannibalism."

Such differences in opinion indicate the need for further investigation. Probably, as in many such cases, it is not a question of one being right and the other one being wrong. When all of the facts are available often both sides are right.

### Selection for Resistance

Selection for disease resistance and susceptibility was practiced for a period of 8 years at the Western Washington Experiment Station. Selection of the "resistant" and of the "susceptible" line was based upon family performance, particularly as regards leucotic and allied diseases. Observations covered the two laying years after the pullets came into production. No culling was practiced during that time.

First laying year losses were reduced from 85 to 35 per cent; the susceptible lines changed from 74 to 53 per cent. A control line from a prominent breeder introduced in each of the last 3 years showed an average loss of 54 per cent, against 56 per cent for the susceptible line and 35 per cent resistant line. The average days of survival increased with the resistant line from 270 to 478 days; from 183 to 374 days in the susceptible line. The susceptible line reached maturity somewhat later and hatchability was somewhat lower. Bearse, McClary and Miller, the authors, also report slight differences in other respects, such as number and size of egg, body weight, etc.

Bostian and Dearstyne at the North Carolina Experiment Station studied another angle of this mortality problem. Appraising the survival rate at 500 days of age for families comprising at least 6 pullets, they found 6 families with 100 per cent survival; 24 with more than 80 per cent and 17 below 70 per cent. Similar results were obtained during the subsequent year (1938). The data demonstrate definite family differences. Families of superior livability came into production earlier and laid more eggs. Earlier hatched pullets had a greater survival rate.

### Social Rank Among Chickens

The social order in the poultry flock has, for many years, attracted the attention of investigators interested in problems of animal psychology. In this country, Sanctuary at the Massachusetts State College did the pioneer work of checking and verifying European observations. Many phenomena in the flock find their explanation in the "pecking order" by which the individual flock members raise, lose or maintain their "social rank."

The struggle for social recognition explains why certain well-developed laying pullets go out of production and into a molt soon after housing. A social order exists in flocks large and small and re-adjustments take place continuously.

"Personal" grudges, vindictive reprisals, political favors, which can be observed in this battle for social prominence, have an influence upon sexual maturity, that is, age at first egg, and may retard it in some instances by weeks or even months. Introducing strange birds into the pens may cause a reorganization of the "pecking order" and cause slumps in production, fertility and hatchability.

### New Vitamins

New vitamins continue to pop up like mushrooms after a hot, damp day. Schumacher and Heuser report that the G-R factor (Growth-Reproduction), discovered by Cornell workers, is necessary not only for chick growth and egg production, but maintenance of body weight of hens and hatchability of eggs.

Stockstad and Manning, of the Western Condensing Company, California, found an unidentified factor which is essential for growth and livability and which is not identical with thiamine, flavin, nicotinic acid, the chick dermatosis factor, vitamin U, or vitamin $B_6$. Vitamin P has now been identified as a crystalline substance, isolated from lemons and designated as "citrin." (Klinische Wochenschrift, Berlin, 16:1593).

Vitamin T, contained in sesame oil and some other vegetable oils, increases the number of blood platelets, according to Schiff and Hirschbarger (Jahrbuch fuer Kinderheilkunde, Basel, Switzerland, 150:193).

Vitamin M prevents a certain type of pellagra. The M does not stand for "monkey," even though only monkeys need it as far as is known at present (Journal of Am. Med. Ass'n, 112:1258).

### Sexing Chicks by Color

Sex identification by external color marking of day old chicks was subjected to an inquiry by Quinn and Knox of the U. S. D. A. It was concluded that color of shank, beak or down was not a reliable index of sex in Jersey Black Giants, Jersey White Giants and White Plymouth Rocks.

Utilizing the barring and the mottling factors in Barred Rocks and in Anconas, Lamoreux at Cornell University developed a "self-sexing" strain of birds. The "Ancobars" may be freely outcrossed with high producing strains of Barred Rocks for more rapid improvement in productivity. The chicks from such an outcross can be "sexed" readily by the color of their down.

### Vitamin A Storage

Vitamin A reserves are stored by the chick in its liver. Hence, generally speaking, the more vitamin A and provitamin A is provided in the feed, the greater are the amounts stored in the chick's liver. Nine out of 24 flocks had at least one chick which had no vitamin A reserves in its liver, as reported by Rubin, Bird and DeVolt, University of Maryland. Although liver storage of vitamin A is generally assumed to be governed by the vitamin A content of the feed, the authors take cognizance of the well-known phenomenon of secondary vitamin deficiency, because even on an adequately fortified diet, there is the possibility that vitamin A liver storage may be affected by environmental conditions other than the ration fed and by pathological conditions which have as yet been undetected.

### Detecting Fertility

Detection of fertility in fresh eggs has been the dream of every incubator operator. Some years ago a Russian investigator reported a difference in the bio-electric activity between fertile and infertile eggs prior to incubation. Romanoff and Cottrell at Cornell University used the same principle in attacking the problem and report significant differences in radio frequency conductivity between fertile and infertile eggs. At present these findings are only of scientific value, but improved methods and refined apparatus may some day render them applicable for practical use.

### Vitamin E and Fowl Paralysis

Vitamin E against fowl paralysis proved ineffective in tests conducted by Biely and Cook at the University of British Columbia. The same conclusion was reached by investigators at California University, at Wisconsin University, at Cornell University and at Storrs Agricultural State College.

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## Long Distance Layers

"In selecting birds for a laying test, breeders endeavor to pick pullets that begin their laying career with good egg cycles," says William F. Kirkpatrick, superintendent of Storrs Laying Test. "This simply means birds that can lay five or six eggs in a row without any rest period. Obviously, 300-egg hens must average right close to six eggs a week. They must be on the job practically the whole time."

This is a good point for all poultrymen to remember when they are selecting their pullets for the laying pens. Birds laying day after day for a long time are most likely to make a good profit.


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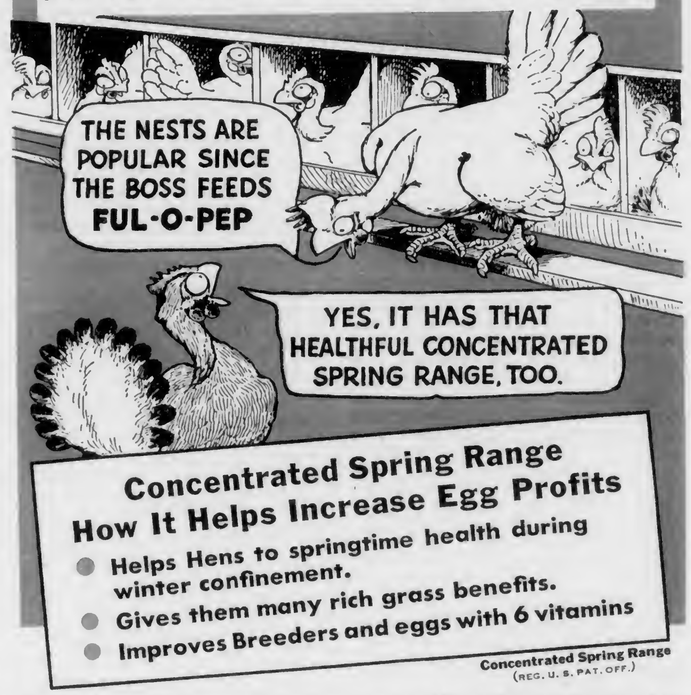


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# *Diary* OF A POULTRYMAN

*The author of this feature is a commercial egg farmer who is located in Wayne County, Ohio. His flock consists of 4,500 White Leghorns. Keep in mind that these daily observations are published a year after having taken place. — Editor.*

## By P. S. White

**Oct. 1**—This is really a bad time of the week to start anything, but Kid White and I have been talking things over and we have decided that we should build a tenant house.

This tenant house is really an investment in more ways than one, probably the greatest of which is rental. Out of several books of plans, we have selected one which we think will suit our needs best. Howard Cobbler, local contractor, will build it. The house will be a six-room bungalow with a full basement.

**Oct. 3**—Howard and Paul Funk, the mason, stopped by this morning and staked off the foundation. The house will be 22 x 30 outside measurements. It will be necessary to excavate about 3 feet and then grade the soil around the wall. Ralph Howman and Dave Mast, two of our farmer neighbors, brought two teams, scrapers and a plow over and started excavating immediately.

**Oct. 4**—Pullet eggs are increasing in volume on the auction. It is surprising how much extra work it takes to handle such a mixed production. Those producers who have only one or two cases a week cannot do very much grading. About all they can do is to put the eggs in the cases and let the auction boys grade them. Such mixed cases are known as "pool cases" and the producer gets the pool price for each grade he has represented. This also involves a tremendous amount of extra clerical work, for every egg has to be accountd for.

**Oct. 5**—Hot and dry, well, I guess yes. It is just so hot that pullets are far better off on the range than they are in winter quarters. I might be losing a few eggs, but it is a sure thing that sitting out in a tree about 30 feet from the ground is much more comfortable than standing up on a perch panting and with the wings outspread. In the long run, I think I will be ahead to let Nature take her course. I used to get all "het" up when things didn't run absolutely according to Hoyle. But I am getting away from that as I get older and I try to work more with Nature than against.

It is rather difficult to reconcile this statement with the fact that the old hens are getting the works every morning about 4 o'clock with a bunch of bright lights. But when one is engaged in the chicken business, one isn't supposed to be any too consistent.

**Oct. 6**—It seems to me that it was only a few days ago that we went all through the old hens and selected the ones that should have been profitable to retain for another year. Yet last night, Donnie and I went down through the houses and picked up a coop full by flash light.

"All I do is carry lumber and drive nails."

**Oct. 8**—There has been a good bit accomplished this week. Harold and I have finished painting the east house; the sash had the last coat today. Paul Funk and his boys have finished laying up the wall for the tenant house. That is they have their work far enough along so the carpenters can start Monday. The basement floor, chimney, cistern and concrete steps will be done later.

There is plenty of work to do around the ranch while we are waiting for the weather to turn colder. In the meantime, the pullets are still roosting in the trees at night. During the day, they loaf around in the woods. Grain consumption isn't any too heavy on account of the warm weather.

**Oct. 10**—For a change, it is nice to work under a boss. All I have to do is what I am told to do. Howard Cobbler is the boss carpenter on the job; he is the one who takes the responsibility. All I do is carry lumber and drive nails.

**Oct. 11**—It is an awful good policy when there is extra work to do as we have now not to overlook the great basic fundamental principle; that is, that the money to pay for all these things comes from the stock and that the stock must not be neglected. I gather the eggs and wash the fountains and Harold does the feeding and takes care of the cows. In this way, there is one of us on the construction work all of the time.

That varmint worked on a pullet last night. I wonder if I will have to go on a night shift again?

**Oct. 12**—Along about this time of the year, I usually begin to get on pins and needles about bringing the pullets in from the range. But I am still afraid to move them inside on account of the warm weather. It is too warm for them in the houses and I am also afraid of that old pick-pick business. That's bad.

The three north houses are all ready for the pullets. All that is necessary to do is to put mash in the hoppers and turn over the water fountain floats. The legbands and vaccine are on the ranch. As usual, the legbands will be hog rings and will denote age. When a hog ring is clamped on a leg, it stays put. In fact, it takes a lot of fire even to burn it off.

**Oct. 13**—During the past week, we have been able to pick up a coop, 15, of cockerels out on the range. Two or three had come in the houses to do a little dusting when some of us happened around and shut the chick door before they could slip out. The most effective method of catching them was picking them up with a hook around the hoppers at feeding time. If we could just catch one and get him to squawking real loud, about half a dozen hot-blooded fellows would rush to the rescue. They would throw all caution aside and rush in where angels should fear to tread. But it didn't take them long to realize they were playing a losing game.

**Oct. 14**—There is enough weight on the walls of the tenant house to justify filling in around them. All of the outside framing material is in place and we have started to apply the matched sheathing.

It has always been my contention that some of the seepage in a basement could be eliminated if the soil was tamped around the walls instead of just letting it settle. Anyway, we are giving the theory a practical test out, for the tamping is as tight as around a corner fence post. It should pay some kind of a dividend, for it takes many times as long to do it as it would just to shovel the dirt in promiscuously. Working around the house will be much easier after the grading is done.

**Oct. 17** — The Old Man is getting scared. I am just afraid the weather is going to break and the long arm of fate will reach out and slap me. I am still uneasy about the pullets. It is getting time that I started to move them to laying quarters. And the grading around the house isn't done. In fact, it hasn't been started.

". . . about half a dozen hot-blooded fellows would rush to the rescue."

**Oct. 18**—I am going to have to let up a wee bit. It isn't possible for me to help take care of the stock and help do carpenter work and help here and help there all day and then pack eggs until other people are thinking about getting up. To grasp a hammer as hard as it is necessary for me to in order to drive nails cramps my hand to such an extent that my after supper egg packing is slowed down at least 50 per cent. In other words, it takes me about twice as long to do the packing. What I gain on one end of the equation, I lose on the other. To err is human.

**Oct. 19**—My return load from town yesterday was three 4-inch iron pipes for column supports in the basement. They will set on a piece of concrete road berm 30 by 30 inches by 8 inches thick. Such a support ought to carry several times the weight that is required. But all such monkey business has caused us to run out of feed, so I had to make two trips today. The first trip was for corn, and the second, a combination of growing mash and empty egg cases. And I feel like I am getting further behind with the work each day.

**Oct. 21**—I simply had to take time off to do some necessary work. We were getting low on supplies again, corn, oats and excelsior for the nests. Had to make two trips to town. A little half ton truck is a great institution to cover territory, but it doesn't haul very big loads. The idea is to never get behind with the hauling, but that is exactly what I have done with all of this construction work.

I can't understand to save my life what possesses these old hens to jump in a nest and throw all the nesting material out on the floor. It wouldn't


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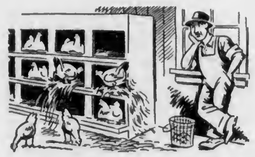
BIRD BROS. Box J MEYERSDALE, PA.


be so bad if it were just one nest or in one house, but there is an epidemic all over the ranch. But I have replaced nesting material before, and I guess I can again.



"I can't understand to save my life what possesses these old hens . . ."

**Oct. 22**—No dropping boards were cleaned this week. I think that by Monday or Tuesday of next week, the grading will be in such progress that we can start preparing for the lawn-to-be. Then the dropping pits in the block house will be cleaned and the proceeds cultivated under with the little tractor.

The lawn will contain around 3,000 square feet. I figure that six tons of droppings from the boards and the pits will be enough. This will make an application of 4 pounds to the square foot which is a good coverage. But the application will be made on pure clay and no seeding will be done until next March or April. The idea is to get this heavy application of manure on the soil and get it incorporated with the first 3 or 4 inches.

**Oct. 26**—It seemed like yesterday that we were vaccinating and banding pullets preparatory to putting them in the laying houses. And just like clock work, we started in on the job today. Last night, Donnie closed the three round brooder houses and No. 1 and 2 in the woods. There were 205 birds roosting in them, and these were soon given the works. Each one gets a hog ring for a band and a shot of vaccine on the leg. I say on the leg, for we are using pigeon pox strain again this year. There hasn't been a case of pox on the ranch since I have used the pigeon strain, so I can't see the necessity of changing vaccines.

**Oct. 27**—Well, we picked up 231 pullets in No. 3, 4, 5 and 6 houses, gave them the works and distributed them in the three north laying houses. Then Harold and I went back to carpentering and concrete work.

We are grading the pullets into "tops," "seconds," and "not-so-good." The "tops" are laying, but the vaccination won't stop them, at least, it never has. The "seconds" are mighty good birds, big frames, well fleshed, but not much comb development. The "not-so-good" grade are just not quite so good now. Segregated, in a short time, they will be about as good as any. Oh, yes, there are a few market birds, but they are rather far between.

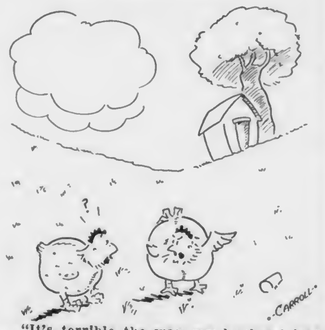
**Oct. 28**—About 200 pullets a day seems to be our capacity. And this has its advantages in a big way, too. Probably the greatest factor is that the laying houses fill up slowly. The old timers in the house can then show the newcomers where the feed, water and the perches are. New pullets seem to gravitate naturally to the feed and water, but sometimes it is rather difficult to find the bed. I remember one year there was a pullet that persisted in roosting over one of the windows until around the first of the year. Every night, I would put her on the perch and each night it was the same old six and seven.

**Oct. 29** — I am beginning to feel pretty good for a change. The new house is under roof and the asbestos shingle siding has been applied. A priming coat of paint has been given to all exposed woodwork. The carpenters can work now even if the weather does turn off bad.

We have housed around 800 pullets and are in a position to house the remaining quick if the weather should turn for the worst. In other words, we have our organization down to a fare-ye-well, and we have plenty of room for the birds after they are banded and vaccinated. Kid White cleared the two feeding batteries of all small market stock. They are in the sharp freeze room of the cold storage locker plant where the temperature is 12 degrees below zero.

**Oct. 31**—We brought in our usual quota of pullets this morning and then ceased operations on that project for the rest of the day. A 100 dose vial of pigeon strain vaccine will dope from 95 to 110 birds. We must have applied it rather heavy today, because we only vaccinated 192 pullets. This leaves us about 15 birds in the battery to start on in the morning. It is a poor policy to mix up a bottle of vaccine and let it stand from one day to the next.

A chicken man should be able to do just about all kinds of work. I am doing the electrical wiring in my new tenant house. It takes me longer to do it than it would a professional, but I think I am doing a good job.




"It's terrible the way my husband lays around all day loafing—you'd think he was raised on 'laying mash'."



## DRY *FLOORS*

If you are building a new poultry house or remodeling an old building, you will want to be sure to construct a floor that will stay dry. Brieflet H-21, "Moisture-Proof Floors for Poultry Houses," gives diagrams and descriptions of six different types of floors which are successful in various parts of the country. Send a 3-cent stamp to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

## Rough Riding is Hard on Egg Quality

Quality of eggs at the time they reach market is affected to a large extent by the way in which they are transported from the farm. This fact is brought out by a test on three different methods of hauling eggs, in which one case was carried in a sedan, one case in the front of a truck and one case in the rear of a truck where there was considerable bouncing. Each case was carefully packed before shipment and was carried more than 4 miles in transit.

Examination of all eggs at market revealed that there were no tremulous air cells, no broken eggs and no cracked eggs in the case hauled in the sedan; 12 tremulous air cells but no broken eggs and no cracked eggs in the case hauled in the front of the truck; and 76 tremulous air cells, 6 broken eggs and 8 cracked eggs in the case hauled in the rear of the truck.

## Use Handy Catching Coops

Catching coops with removable ends so that the coops can be placed end to end and the birds driven through them, will make the job of catching pullets easier and will save much time. As each coop becomes full, the end may be dropped, separating the birds in that section from the rest of the confined birds so that overcrowding is impossible.

These coops also come in handy when catching the birds for vaccinating, bloodtesting, culling or at any other time that a large part of the flock must be caught. Coops of this kind, sturdy and built for long years of hard service, can be purchased on the market or can be made at home.

## Egg Drying Methods Improved

A new process for the drying of egg whites, requiring only about a third as much time as the old fermentation method, has been developed by chemists of the U. S. Department of Agriculture. In the old method a bacterial growth resulted, while in the new process few if any bacteria develop and a superior product more nearly resembling fresh egg whites is made.


**Here It Is!**

**"Culti-Vision" gives you a clear view of your work, while you sit comfortably in the large sponge-rubber upholstered seat. Row crops can be cultivated cleaner when the driver rides a FARMALL-A with "Culti-Vision." Direct-attachable planters, cultivators, etc., are available for corn, cotton, and all other row crops, including vegetables.**

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4. Valve-in-head 4-cylinder engine with Tocco-hardened crankshaft, full force-feed lubrication.
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International Harvester announces the NEW McCormick-Deering FARMALL-A—the *smallest* Farmall ever built—a *rubber-tired* combination of modern power and efficiency, *at a new low Farmall price!*

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Visit the McCormick-Deering dealer and get acquainted with the powerful go-getting FARMALL-A. And remember, *the supply will not be plentiful for some time to come.* Get your order in early.

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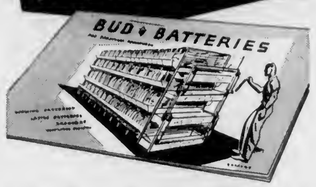


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**BUD BATTERIES**

CANONSBURG, PA.


# Starts Hens Laying

### Here's a New Way to Get Eggs in Winter. Costs Nothing to Try

Mrs. C. H. Wagner, a Wisconsin poultry raiser, has a real idea for chicken raisers who are not getting eggs. She says:

"On Nov. 1st, our 150 pullets were not laying. I gave them Don Sung and got 364 eggs in the next 3 weeks; sold $75 worth in December, and $100 worth in January. The birds were strong and healthy all winter, and cackled like it was spring."

Don Sung, the Chinese brand of tablets which Mrs. Wagner used, are opening the eyes of chicken raisers all over America. These tablets can be obtained from Burrell-Dugger Co., 187 Postal Station Bldg., Indianapolis, Ind. Poultry raisers whose hens are not laying well should send 50 cents for a trial package (or $1 for the extra large size, holding 3 times as much). Don Sung must show you a profit or your money will be refunded, so it costs nothing to try. Eggs are always worth real money. Why not start giving Don Sung to your flock now?


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# Everybodys Poultry Partner

Enclose a 3-cent stamp for reply when writing to Poultry Partner, Everybodys Poultry Magazine, Hanover, Penna.

### Using Anti-Pick Devices

**Q.**—I have been having a lot of trouble with vent-picking among my layers. Do you think that putting anti-pick devices on the birds would help?—A. L., Pa.

**A.** — There are many poultrymen who have found that the use of these devices has saved them many dollars. It was not uncommon a few years ago for many poultrymen to lose as many birds from pickouts as they did from all other causes combined, and the use of anti-pick devices has helped to a great extent in controlling these losses.

D. H. Horton, manager of the New York State Egg Laying Test at Farmingdale, L. I., says that several pens in his test have come equipped with anti-pick devices of one kind or another, all of which have done an efficient job in reducing the vent-picking problem to almost nothing. He claims that the sales value of eggs from four good pullets will buy devices for a 1,000-bird flock.

Some devices can be put on the birds at practically any time without any serious effects, but for best results, others should be attached before the pullets reach the laying stage. However, no matter what kind is used, follow the manufacturer's directions in attaching them.

### Value of Wood Shavings as Litter

**Q.**—Can you tell me the relative merits or demerits of using wood shavings on the floor of the poultry house?—Miss P. S., Ohio.

**A.**—Possible favorable qualities of shavings as a litter in the poultry house are that wood shavings generally are cheap and may be easily obtained in most sections of the country. On the other hand, objections to the use of shavings as litter are that shavings are not absorbent, that is, will not absorb much moisture. Thus, they are not very helpful in keeping the poultry house clean or dry. In damp weather, when there is a good deal of humidity aside from that which is expelled from the birds in the house, this factor can be particularly objectionable.

Another objection is that shavings do not make a good fertilizer, requiring a long time to rot in the land and sometimes producing a toxic effect upon certain plants. Manured shavings have little value as a mulch.

### Egg-Eating Hens

**Q.**—Will you please tell me what causes my hens to eat eggs?—W. H. L., Va.

**A.**—It is hard to tell exactly what may have caused your hens to start eating eggs. This vice usually starts with the eating of an accidentally broken egg. A lack of lime in the ration is also believed to be a cause in some cases. It is more prevalent among birds which lay a large number of eggs on the floor.

There is usually little that can be done to break birds of the habit of eating eggs. It is generally better to market such birds if they can be found. Naturally, the best practice is to prevent the habit from ever developing in the flock.

Watch carefully for all floor eggs and remove them without delay. Gathering eggs more frequently is necessary with the pullet flock just brought into the laying house. Have a nest for every six or seven birds. Cover dropping boards with wire netting, fastened under the roosts, so eggs dropped during the night are not available to the birds. Keep an adequate supply of litter in the nests, and keep nests dark so that any broken eggs are not noticeable to the birds. Provide a fully balanced ration, and have oyster shell before the layers at all times.

### Removing Hard-Boiled Egg Shells

**Q.**—I sell all my output of eggs at retail; many of them go to taprooms to be hard-boiled and served over the bar. I have complaints that the eggs do not peel cleanly. Sometimes eggs in the same batch will vary widely in the ease with which they peel. What is the cause of this? Is there a method of boiling that will eliminate this trouble? My eggs are very fresh compared with those usually used for boiling in taprooms.—E. R. I., Pa.

**A.**—Eggs held under proper storage conditions for a few days seem to be better for hard-boiling than eggs which are very fresh. In other words, if you hold your eggs in a refrigerator for a few days before you hard-boil them, you will usually have less trouble with the eggs sticking to the shell than when you boil freshly laid eggs.

### Size of First Pullet Eggs

**Q.** — My chickens which are about 20 weeks old are starting to lay. The eggs they are laying are very small, about as small as bantam eggs. Is it customary for eggs to be very small when chickens start to lay?—F. D. R., N. Y.

**A.**—When pullets first begin to lay, the eggs usually are small for a short while. However, numerous investigators have shown that there is a definite relationship between body weight and egg weight. They have demonstrated that larger birds tend to lay fewer second grade eggs than smaller birds.

In 1388 Rhode Island Reds, one investigator found that birds which weighed most when they started laying in the fall, laid the largest eggs up to January 1, when the observation was ended. Other poultry scientists have further shown that the earlier in life that laying commences, the smaller is the size of eggs laid at that time. Thus, it naturally follows that birds which start to lay while still very young and not fully developed, lay smaller eggs for a longer period of time than those pullets which have been given ample time to build large bodies capable of good egg production. For these reasons, poultrymen are cautioned against pushing their pullets into production before they are physically fit to do a good job of producing big eggs.

The length of time which should be allowed for pullets to grow and develop before they start to lay depends upon the breed and the strain of the breed and the way in which the individual flock is managed. Naturally, some strains of individual breeds are bred to mature and come into production earlier than other strains.

### When Will Pullets Start to Lay?

**Q.**—Will you please let me know when a hen hatched in September will start to lay?—L. P., N. Y.

**A.**—The length of time it takes for a pullet to become mature and start to lay her first eggs depends somewhat upon the breed, upon the strain within the breed and upon the methods of management and feeding. Some birds are bred to come into production at an early age, while others are bred to start laying much later. It is possible to start pullets laying sooner by cutting down on the amount of scratch grain and feeding them laying mash. It is advisable, however, to wait until the birds are physically mature before starting them along the road to egg production. Generally, the heavy breeds such as Rhode Island Reds and Barred Plymouth Rocks are a little bit later in beginning production than such light breeds as White Leghorns.

• • •

**Egg Cost Calculator** — Makes it easy to figure what it costs to produce a dozen eggs. 3-cent stamp. Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

# The Situation BRIEFLY REVIEWED

**Egg prices** throughout the northeastern states soared rapidly from their low summer level when the European war broke out the first of September, but have declined somewhat, shortly after the middle of the month.

Nearby special whites were quoted at 29½-30 cents a dozen at New York on September 19, compared with 32-35 cents a dozen the same day a year ago. Nearby special browns sold for 27½-28 cents a dozen this September 19, compared with 35 cents a dozen on September 19, 1938. Mixed color firsts brought 19½-20 cents a dozen this year, compared with 25¾ cents a dozen last year.

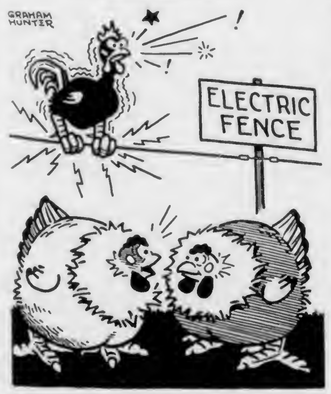
**Egg production,** as indicated by receipts at the four major markets (New York, Chicago, Boston and Philadelphia) from August 1 to September 9, was 11.4 per cent greater than for the same period last year, and 2.5 per cent greater than that during the same period in 1937.

**Egg consumption,** as shown by trade output at the four leading markets from July 29 to September 9, was 4.3 per cent greater than that of the same period a year ago.

**Cold storage holdings of shell eggs** on September 1 were 11 per cent greater than those on the same day last year, but were 10 per cent less than the September 1 five-year average, 1934-38. Frozen eggs in storage on September 1 were 8.8 per cent more than those in storage on September 1 a year ago, and 9.8 per cent more than those in storage for the September 1 five-year average, 1934-38. Total case equivalent of both shell and frozen eggs in storage on September 1 was 10 per cent more than that on the same day last year, but 3.5 per cent less than the September 1 five-year average.

**Total frozen poultry holdings** on September 1 this year were 16.1 per cent more than those on the same day a year ago, and 20.3 per cent more than the September 1 five-year average, 1934-38.






"He's a bit shaky; it's his first attempt at crowing."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PRODUCE **MORE EGGS in 15 days or Money back**

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I enclose $1.00 for liberal trial package of Pratts Poultry Regulator. Ship at once, postpaid, to:

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● Since the days of the caveman, layers have hungered for "TRACE ELEMENTS." Bred to lay more eggs, . . . closely confined, . . . this hunger is greater than ever now!!

Manganese is an example. Only yesteryear men ignored it. Yet, just four (4) tiny ounces, added to a ton of laying mash, increased egg production as if by magic. And, more of those eggs hatched!!

Manganese is a "TRACE ELEMENT." The earth crust, . . . through which Nature feeds wild men, beasts and birds, . . . contains numerous "TRACE ELEMENTS," . . . cobalt, nickel, titanium and many others.

Like manganese, tiny traces of each are in birds or eggs. Some are KNOWN to have important functions. Most still have science baffled. Surely, wise NATURE uses them for some good reason. So, we've added all "TRACE ELEMENTS" found in chickens, to PRATTS POULTRY REGULATOR.

After feeding it to our birds, . . . checking production and health, we say:—

**PRATTS POULTRY REGULATOR ADDED TO ANY FEED MUST START MORE EGGS COMING IN 15 DAYS, . . . OR MONEY BACK!!**

See your dealer today. Demand PRATTS POULTRY REGULATOR containing "TRACE ELEMENTS."

**Pratts, POULTRY REGULATOR with "TRACE ELEMENTS" helps Hens Lay**

**SAVE PULLETS...STOP EPIDEMICS**

of colds, roup, bronchitis. Use our INHALANT (in the air) and CHIC-TONE (in drinking water). Leading breeders and flock owners use our products. Ask dealer or send postal for free folder.

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EVERYBODYS POULTRY MAGAZINE Hanover Pennsylvania

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Lowest Prices Ever Quoted on Full-Size, All-Steel Units

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Full-Size, All-Steel, Standard Laying Batteries at prices ranging from $1.15 up, according to the style of Cleaning Equipment selected, and in every size from 12 birds to 150 birds.

**"HOME OFF the RANGE"**

This new achievement of ARNDT Engineering is offered at new low prices, just as your birds are ready for housing. Bring them "home OFF the range," and install them in these up-to-the-minute ARNDT Economy Laying Batteries.

Ten years' experience has proved the superiority of laying cages to older methods . . . No litter to buy or become damp. No filth-contaminated feed. Loafers easily detected and culled. Greater egg-production during fall and winter months. Complete independence of weather and seasonal conditions.

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Always 15,000 to 20,000 Chickens housed on less than 1 acre of land.

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DEPT. 11 TRENTON, N. J.

**KRESO DIP No. 1**
STANDARDIZED

*Disinfect Poultry Houses*

Kreso Dip No. 1 is *standardized* —always the same efficiency in killing lice, mites, disease germs, and all insect parasites. Ideal for cleaning. Used for all livestock.

**FREE**—Send for Booklet No. 163 on "Poultry Sanitation" and C-A Worm Capsule Booklet No. 661 on "Worms in Poultry"

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All Breeders Blood-Tested for B.W.D., Stained Antigen method. 100% live del. guar. We pay all postage. Sexing guaranteed 95% accurate.
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on STARTER, BROILER and LAYING BATTERIES, PARTS, WIRE FABRICS and other POULTRY EQUIPMENT

As Low As $15.00 For BROILER BATTERY

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BUSSEY PEN PRODUCTS CO.
6151 West 65th St., CHICAGO

## DO THIS TO OBTAIN *CLEAN EGGS*

1. Have roomy nests sufficiently high, wide and deep to accommodate the layers. Have the nest floor far enough below the top of the front board to prevent litter from being scratched out.
2. Allow one nest or 1 foot of nesting space if you use long community nests, for each five hens.
3. Provide plenty of fine, clean, absorbent nesting material.
4. Remove any dirty nesting material and replace at once with fresh material.
5. Keep birds out of nests and off lighting boards in front of nests at night.
6. Keep floor litter dry. See that house is well ventilated. It may be necessary to stir litter occasionally with a fork.
7. Do not let storms drive into the house.
8. Prevent overcrowding; allow at least 3 square feet of floor space for Leghorns, 4 square feet for dual purpose breeds.
9. Wire the under side of roosts above dropping boards or cover dropping pits with heavy wire to keep birds out of droppings.
10. Regularly scrape off all droppings caked on roosts and on lighting boards at nests, hoppers and water fountains.
11. Clean and prevent wet places around the water fountains. Tubs under the fountains are helpful in catching drippings from the birds' beaks.
12. Gather eggs at least three times daily.
13. If it is not desirable to confine the flock all day, keep the birds in until 1 p.m. and gather all eggs before turning the birds outside in wet, muddy weather.
14. Exclude all males from the laying house except during the breeding season.
15. Put persistent broodies in a broody coop to prevent them from dirtying the nests and causing broken eggs.

## *Outlaw Eggs*

[Continued from page 5]

Colorado has an embargo law on a specified grade of eggs which serves as a hindrance to trade. The Colorado egg law prohibits eggs grading U. S. Trades from entering the state.

### High Taxes on Truckers

Before house to house salesmen can operate in Baltimore, Cleveland, Denver, Mobile, Pittsburgh and St. Louis, they must pay a $200 tax, a tax greater in many instances than that imposed upon established merchants! The annual fee required of merchant-truckers in Louisville, Ky., is $250 and in Fort Wayne, Ind., $300. Many cities require these salesmen to post bonds as high as $1000. Poultrymen with retail routes cannot operate with barriers such as these.

### "Tit-for-Tat" Legislation

No, laws obstructing trade in eggs and poultry have not become nationwide as yet. But unless action is taken immediately to rub off statutes now on the books, reprisal laws will tie up free trading in poultry and eggs generally. Louisiana, not being allowed to ship some of her products into certain states on a free trade basis, has passed a retaliatory regulation which restricts the sale in Louisiana of any commodity produced by a state imposing like embargoes upon Louisiana produce.

Again, the Commissioner of Agriculture of Georgia may, when he sees fit, curtail importations of agricultural products from other states if the state production is sufficient to provide for local needs.

No state in the Union has fewer than two laws obstructive to interstate commerce, so reprisals are abundant.

Trade barriers highly detrimental to poultry and eggs, both characterized by rapid perishability, are those directed towards trucking. So complex have these barriers become that our speedy trucks have been slowed virtually to a horse and wagon pace when they attempt to pass from state to state. Excessive taxes levied against "outsider" trucks have forced poultrymen back to their farms.

What's to be done to stop "tit-for-tat" legislation? The logical solution is for state law-making bodies to change their statutes and confer with their neighbors, enabling the erection of uniform regulations. The governors of Indiana, Maryland, Missouri, Nebraska and a few others are seeking vigorously peace terms for state trade barrier wars. Additional leaders will fall in line, certainly, and apply horse sense to the problem; otherwise the Federal Government will be forced to intervene, it seems.

## Use Short Tacks on Cases

Think of the other fellow when you use long tacks or nails to fasten a tag on the end of an egg case. Use small tacks which will not go clear through the wood, scratching and cutting the candler's hands when he removes the eggs from the case.

"Missus! The cat has chickens!"

"Nonsense, Nora! You mean — kittens."

"Well, anyhow, your Mister brought home baby chickens; and that's what the cat has."

Sleep conversing husbands should refrain from calling their chickens—at least, by name.



## *Excerpts*

[Continued from page 4]

I suppose a fellow could easily overdo this grain feeding thing. Our men are told not to feed any grain if there is any left in the litter. They are to fed only when the previous feeding of grain has been cleaned up. We want to keep the birds on their toes.—Guy A. Leader, York, Pa.

### Selecting Males

The male is more than half the pen. He must be bred from a dam which is as near perfect as possible. I am most particular as regards body size, I like a male that feels heavy when handling; one that has good girth measurement, square body, well proportioned, standing firmly on his legs, which are set wide apart and not too long. Weight of cockerels is 6½ pounds upwards and of pullets 5 to 6 pounds.

I like a cockerel that stands upright, has a manly character, is rather vicious, and tends his mates. Over all, any birds with any serious defects are discarded and not bred from. I dub all my breeding cockerels, that is, cut off their comb and wattles. I find by doing this that we get better fertility, especially in our cold, wet climate. I can thoroughly recommend dubbing to you.—Tom Barron, White Leghorn breeder from England.

### Eggs Have Competition

Eggs are no longer the typical American breakfast—today it is fruit juice and cereal. Is this because eggs are inferior in either food nutrients or wholesomeness to these foods? Most certainly not—in my opinion, it is largely because the newspapers, magazines and radio and other countless advertising media are being used by the distributors of these products to convince you and me that in order to play football, fly transport planes, drive racing cars, chase criminals, or to have super-human intelligence, these advertised foods are essential in our diet.—R. E. Cray, Ohio State University.

**B-B gives me better results than any other feed I have ever used**

SAYS *Harold Tompkins*

*World Famous Breeder* OF RHODE ISLAND REDS

Harold Tompkins and 1st Prize Rhode Island Cock and Champion Bird, American Class at National Red Club Meeting 1937, also Living Model, Standard of Perfection, Pageant of Poultry, World's Poultry Congress, Cleveland, 1939.

With 32 years' experience in breeding Tompkins world-famous Rhode Island Reds, no poultryman is better qualified to pass judgment on the relative value of various feeds than is Harold Tompkins, of Concord, Mass.

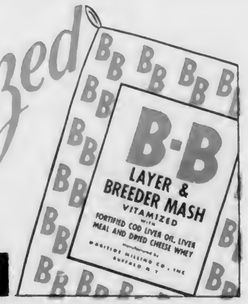
Says Mr. Tompkins: "Five years ago, I concluded that B-B gave me better results than any feed I had ever used and the longer I continue to feed B-B, the more enthusiastically I can recommend it to every poultryman. B-B Vitamized Layer & Breeder Mash keeps my breeders in excellent condition, with bright, alert-appearing heads that denote health and vigor. Their body weights hold up right thru heavy production.

"I average well above 200 eggs per year for all birds. Fertility, in pens of 22 females and one male, runs better than 91%. Hatchability runs over 86% for all eggs set. By these results B-B Vitamized Layer & Breeder Mash has proved the most health-and-vitality building feed I have ever used and I am sure that by feeding B-B, other poultrymen can have the same pleasing, profitable experience."

Any poultryman who wants to increase his poultry profits will do well to follow the feeding recommendations of such a successful and experienced poultryman as Harold Tompkins. And there's no better time than right now to get started.

Maritime Milling Co., Buffalo, N. Y.

**B-B Vitamized LAYER & BREEDER MASH**



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## *This Month With Your Flock*

[Continued from page 2]

### Take Care of Shelters

Burlap or heavy paper tacked around the sides of shelters will make them warm enough for birds during fall weather. If you're done with shelters for the season, however, clean them good and then move them to a place where they will be protected as much as possible from winds, rain, sleet and snow. Raise them up on stones or bricks.

### Are Your Flashlights Alright?

How's the supply of flashlights holding out? Better keep a couple of extras on hand for emergency. A good flashlight or electric lantern is a necessary piece of equipment in every household.

### Give Birds Plenty of Grit

Remember to keep a good supply of fresh, clean grit available for your birds at all times. This is an important item valuable in keeping the flock in good health.

### Check the Fountain Heaters

Time to think of using those water fountain heaters again. They really do help in cold weather. Don't wait until you need them to be sure they are sound and will work properly. Better check them early. You may want to order more this year, also.

### Gravel Yards for Layers

Some poultrymen have fenced in gravel runs just outside of the laying house so the birds can get outside and obtain the benefit of direct sunlight when it is available in the winter. This also helps to keep the house drier and cleaner in wet weather.

### Don't Get Old Hens Over-Fat

Two, three and four-year old hens are much more likely to become overfat than pullets in their first year of production. Grain must be restricted a little more each year that hens are kept. Different breeds and even different strains require varying amounts of grain in proportion to the mash to keep in first class condition. Handle your birds often to see that they are in good flesh, but not too fat.

## By-Product Aids Appetites and Health of Layers

A product that has gained favor as a supplementary poultry feed during the past year is condensed or semi-solid distillers' grains. It is the residue which remains after the fermentation of corn and barley malt in the distilling process. It contains the protein, fat, fiber and mineral matter virtually unchanged, but with 80 per cent of the moisture removed so as to give it a semi-solid consistency.

**Subscriber Erhart A. Farabaugh of Loretto, Pa., reported finding this deep reddish-brown egg under the roost in his henhouse. The deep coloring appeared to have been deposited in a layer which could be peeled off. The light area shows where part of the coating has been removed. No odors were noticeable, and the egg was fresh. The shell was very thin and highly mottled.**

The product has a valuable content of yeast which is known to be a very good source of vitamin $B_1$ and G (riboflavin) which are so necessary for growth and reproduction.

Kerr Chickeries of New Jersey, which has been using this product for sometime on its large breeding flocks, reports a very beneficial effect upon the health of the birds and an improvement in the hatchability of the eggs.

Some of the health promoting properties can probably be attributed to its lactic acid content, a slightly laxative effect, and a stimulating effect which encourages better digestion and assimilation of the feed.

As a supplementary feed to whet the appetites of the birds, the condensed or semi-solid distillers' grains is fed to laying hens at the rate of 2 to 3 pounds daily per 100 birds. It may be fed in the form of a wet mash consisting of equal parts of condensed distillers' grains and the regular mash, placed right on top of the dry mash in the feeders.

## Manured Litter Gives Him A Bumper Wheat Yield

Manured peat litter does make crops grow. Vernon Butz, who grows 3,000 Bronze turkeys on his farm in Sandusky County, Ohio, is convinced of that.

Using the manured peat litter from his brooder houses on a section of his wheat field last season, he not only had the best crop of wheat he has had in years, but it was better than any in the neighborhood.

The manured peat litter was prepared by running through a hammer mill, then applied to the field with a grain drill opened full. No other fertilizer was used. It figured out that three bales of peat moss placed in brooder houses originally produced enough manured litter to cover 5 acres.



## Eat More Eggs

Poultrymen can boost egg consumption by eating more eggs themselves, learning more about the health protecting qualities of eggs, and telling neighbors and friends of the high food values of this all-around food. Here are some important facts about eggs:

1. Eggs are high in proteins necessary for building new body tissues and replacing the old.
2. Eggs supply the fats necessary to provide fuel and release the energy from starch and sugar.
3. Eggs have lots of iron to help prevent various types of anemia.
4. Eggs are rich in phosphorous and calcium for bone and tooth structure —very essential for growing children.
5. Eggs are excellent sources of vitamin A, for growth, resisting respiratory diseases, developing good vision; vitamin B, for normal nerve development, promoting growth, aiding digestion; vitamin D, for using minerals to greatest advantage, preventing rickets; vitamin G, a complex, for promoting growth and preventing diseases.

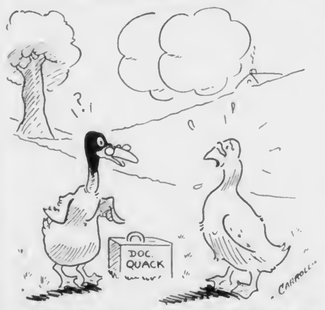
## Profits from Poultry Manure

A New Jersey poultryman has developed a method of handling his poultry manure in such a way that it is a very profitable source of revenue.

First, he spreads the litter from the floor in a pile about 6 inches deep upon the floor of the shed or room where the manure is put until its disposal. Then the fresh manure from the dropping boards is mixed with this and shoveled over daily. The litter helps to dry out the droppings quite rapidly, and after a week's accumulation this should be shoveled to the side, and a new pile started.

By pulverizing some of the mixed manure, he has been able to get as much as two dollars per 100 pounds when selling it to home owners for their lawns and gardens.

According to J. C. Taylor, associate extension poultryman at the New Jersey College of Agriculture, this practice is being followed by many other poultrymen with good results.




**"Come quickly, Doctor, my baby has an awful cold and I'm afraid he'll get pneumonia! He's all covered with goose pimples!"**

## *Insulation* FACTS

What is the value of insulation in the poultry house? How do you protect insulation from picking by the birds? These and many other questions are answered in Brieflet H-27, "How to Use Insulation in Poultry House Construction," available for a 3-cent stamp from Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

## Don't Shut All Openings

Don't close your poultry house entirely, even on the coldest winter day. A steady circulation of fresh air is needed to carry off the moisture given off by the birds. A flock of 100 Leghorns will produce almost 3½ gallons of water each 24 hours in their droppings, breath and drippings from drinking.

Layers in heavy production and birds on all-mash rations will have larger daily productions of moisture since they invariably drink more water. The use of insulation and of a good litter that will absorb a large amount of moisture is of help in keeping the house dry and the birds comfortable.

## Schedule Your Work

If you will plan your work for the coming week and for each day and will budget your time according to the importance of the tasks before you, you should find that you can accomplish much more and in the end you will have much more time for activities other than routine jobs. A planned time schedule is just as necessary for you and will become just as valuable to you as it is to a manager in a machine shop, a store, an office, or any other business.

## More Eggs—Less Feed Costs

It takes approximately 19 pounds of feed a day for 100 non-laying hens, 24 pounds of feed a day for hens laying 50 per cent, and about 26 pounds of feed a day for hens laying 70 per cent. This is ample evidence that high egg production lowers feed costs and is sufficient reason for giving the poultry flock proper care and management, according to H. H. Alp, extension poultryman of the University of Illino's.

## Killing Sick Birds

Break the neck, do not cut the head off, when you kill sick birds. Blood, often a carrier of various diseases, may easily spread these diseases when it is splattered around. Grasp the head with the thumb back of the head, turning the head at right angles to the neck, then giving a strong downward pull. Be careful with young birds that the head is not pulled off.

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## Colds in Poultry Quickly Relieved

**Wheezing, Rattling and Choking Disappear Usually Within 48 Hours**

Readers with colds in their flocks should read this letter from a Kentucky poultryman, Thomas Pulliam. He says:

"I have had birds with their eyes closed from colds, and have saved them all. One cockerel was nearly dead. He lost 5 pounds. I gave him Group-Over and in two weeks he was full of pep and fighting every rooster on the place. Why do people let their birds die? It's so easy to save them with Group-Over."

It is amazing how quickly Group-Over checks colds in poultry. A few drops in the nostrils usually solves the whole problem—while a little in the drinking water, as a preventive, guards the whole flock. For a liberal supply, send 50¢ (or $1 for the extra large size) to Burrell-Dugger Co., 525 Postal Station Bldg., Indianapolis, Ind. As Group-Over must satisfy you perfectly or money refunded, it costs nothing to try.



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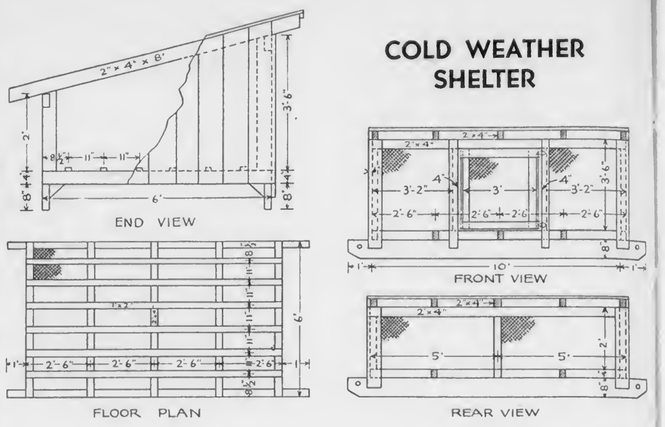



# Cold Weather *SHELTER*

*Use It for Late Pullets, Molting Hens, or Cockerels*

THE Connecticut 6 by 10-foot cold weather shelter will house comfortably 120 pullets to maturity and is planned to give year 'round service. It will protect pullets in cold weather during early spring and late fall, will accommodate molting hens on range, and can be used for wintering extra breeding cockerels.

Cost of materials is estimated at $15 to $20, and it can be built of rough, native timber. With one renewal of roofing paper, this shelter should last at least 25 years, according to its originators.

The two ends are solid and panels in the back to provide a tight wall for cold weather can be removed to allow more ventilation in warm weather. Although built on skids so that it can be moved easily, the shelter is heavy enough to be reasonably resistant to wind. The skids are high enough and the shelter is narrow enough to go anywhere a truck can go.

### Instructions for Building

**Skids**—If lumber is purchased, 2 by 8-inch skids are advised. If pine or hard wood native timber is available in larger sizes, 2 by 10-inch, 3 by 10-inch or 4 by 10-inch skids may be used. Place a board 1 by 8 inches by 5 feet, 8 inches in length between the skids at each end to prevent drafts beneath the floor.

**Floor Joists**—Floor Joists are 2 by 4's, spaced 2½ feet apart. For durable construction, use 16-guage, 1½-inch mesh wire 5 feet wide. Set up skids, put on floor joists, and put 2 by 4's in between the ends of the floor joists. Then stretch wire tightly and nail securely with heavy staples.

**Roosts** — Use 1 by 2-inch roosts if material is purchased, 2 by 2's, if native white pine is available. Six 10-foot roosts, placed 11 inches apart at the centers, are required. Tip up the shelter to nail wire securely to the roosts.

**Posts**—Rear posts are 2 feet long, front posts are 3½ feet long. Corner posts are set flat against the end of the building with the plate cut in at the top. Center rear post and the two front posts on each side of the door are cut 4 inches shorter than the end posts and set flat against the front and back of the building.

**Plates**—Plates are 2 by 4's, 10 feet long, cut into the top of the post, and set on edge.

**Rafters**—Rafters are 2 by 4's, 8 feet long, spaced 2½ feet apart to correspond with floor joists, and to provide space between rafters to store rear wall panels when not in use. Place pieces of 2 by 4's in between rafters above rear plate. If galvanized roofing is used, set corner posts the other way than is recommended here. Front and rear plates should be lifted 4 inches and placed on top of the post. One rafter should be used at each end with a roof support running lengthwise between rafters through the center of the roof. Five pieces of 2 by 8-foot galvanized roofing will cover the building.

**Roof Boards and Paper** — Ordinary square edge boards or matched lumber may be used. Roofing paper recommended is 18-inch blind nailed paper.

**Boarded Ends**—Ends should be boarded up and down to provide strength of construction. A brace at each end, running from the lower front corner to upper rear corner, will give added strength. Since the roof has no overhang, it is advisable to cover ends of the shelter with paper. If ends are built of wide lumber, however, cleats covering cracks between boards may be used.

**Panels in Rear Wall**—Nail 1-inch mesh wire across the rear opening. A 1 by 6-inch board long enough to come halfway down the skid should be nailed at right angle to the skid on each end of the rear wall. This will help to hold the skid, the post and the plate together. Make two panels, each 2 feet by 4½ feet, to cover the remaining part of the rear opening. The cross piece on each end of each panel should be longer than the panel to fit over the board running up and down at each corner. Use buttons above and below panels to hold them in place. Panels may be taken out and slid in from the front between the rafters when not in use.

**Front Wall**—Front posts are 3 feet apart to accommodate a door 3 feet wide and 3 feet, 2 inches high. The door, built of 1 by 4-inch material, is hinged to swing sideways. The top half of the door can be hinged to a cleat across the door so that it will swing out and down. When this top half of the door is left open and the door is closed, the birds are protected from animals at night, yet they can fly out the upper half of the door early in the morning.

Studs on each side of the door should be placed with the 4-inch side to the front. Boards 1 by 6 inches, cut 3 feet, 10 inches long should be placed at right angles to the skid at each end of the front. Boards 1 by 4 inches, cut 3 feet, 10 inches long should be placed on each side of the door over the front post. Three-foot wire put on at right angles to the skids can be nailed to the plate at the top, the floor joists at the bottom and on the inside of the boards running at right angles to the skids. Burlap can be nailed over the open space in the front during cold weather. Ventilation will be provided through the spaces between rafters over the front plate.

If the shelter is used for wintering extra breeding cockerels, two 6-light, 10 by 16-inch barn sash can be placed in each end of the front. With a 1-inch sill at the bottom, the sash will just fill this space.

It is recommended that a wood preservative be applied to the skids, floor, side walls and all exposed woodwork.

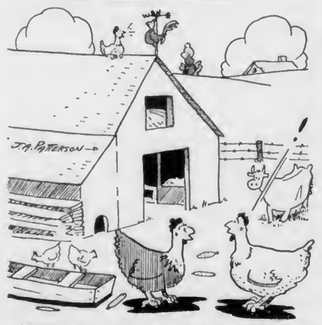
## Prevents Wet Litter Around Water Founts

The use of ordinary wash tubs has solved my problem of wet litter around the drinking fountains.

In the Fall of 1938, I purchased several 8-gallon float valve founts, and stands. In the first place, the stands were much too light for the founts, and in one old building it was extremely difficult to level-up the fount. As a result, I had wet litter not only from the birds dripping the water from their beaks and feathers, but also from the founts overflowing.

To eliminate this trouble, I cut the legs of the stands down from 15 to 10 inches. This made it possible to set the stands in an ordinary wash tub using the tub as a base, allowing the roosts to rest on the edges of the tub. Using some tubs I had, the sizes varied; the first one, 20 inches in diameter, another, 24 inches. The 24-inch tub was more satisfactory, for it caught both the overflow and the drippings caused by the birds' drinking.

It is truly surprising how much water is caught in this manner, water which would keep a sizable portion of the floor wet all the time.—Lloyd W. Peavey, Warwick, N. Y.



"Belinda's getting mighty near sighted—she's been up there talking to that weather cock half the morning!"

Quoted from a recent letter written by Curtis Green, Coldwater, Mich.

**18 YEARS OF EXPERIENCE WITH POULTRY**

"IT HELPED ME develop large, vigorous pullets that laid full-size eggs and plenty of them over a long period of time," says Mr. Green, who has had 18 years of experience with poultry. "So naturally I am a strong booster for Larro. Our Leghorns and Reds are the talk of the county, and we give Larro a large share of the credit."

Here is further proof that the 16 years of careful testing and development which Larro Research Farm put into Larro Egg Mash contributes to real dollars-and-cents results for poultrymen. Feed Larro Egg Mash this season and measure it by the 9-point test that we used in judging over 400 formulas. Prove it by all-round results in egg production . . . egg quality . . . egg size . . . hatchability . . . molt . . . nutritional health . . . economy . . . feed efficiency . . . and profit over feed cost. Let your own flock show you what it means to feed a ration of *proved* high quality.

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Write for "Nuggets of Poultry Progress". This free 16-page booklet tells you the interesting story of the work done at Larro Research Farm in developing Larro Egg Mash.

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TO CONTROL POULTRY ROUNDWORM
(Ascaridia lineata)
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## Metal Roofs Will Give Long Years of Service

If you have an old, leaky roof on your poultry house, you may find that you can repair it the same way poultry specialists did an old, outmoded 20 by 40-foot laying house on the Ohio Experiment Station farm.

The old roof was covered with standing-seam galvanized sheet metal roofing material. Standing-seam roofing works best on shed roofs having comparatively little pitch. Corrugated iron roofing can be used satisfactorily to cover shed or gable roofs with one-third or one-fourth pitch. High quality roofing of this type requires little or no attention for 10 or 12 years, then a protective coat each three to five years. The Ohio specialists advise using galvanized nails in attaching metal roofing because iron nails soon become unsightly and deteriorate rapidly from rust.

Ceiling and walls next were insulated to keep the house warm in winter and cool in summer. A good mixture of oil and wood preserver was soaked around the sills before wall insulation was applied to protect against deterioration of the sills, entrance of moisture from below and growth of fungus there.

Metal roofing is also now being used to a wide extent in covering newly constructed poultry houses. Ohio poultry specialists suggest that galvanized sheet iron may be used on the outside of a new laying house or where the wood siding on an old house is in poor condition, but emphasize that the use of sheet metal for poultry houses is desirable only when suitable insulation is also used.

## Can the Loafers

Hens not laying enough to earn their room and board may be just right for canning, according to Miss Elizabeth E. Ellis, New Hampshire extension nutritionist. Here are a few suggestions she offers for canning chickens at home.

First, a steam pressure canner must be available to maintain the temperature above boiling inside the can or jar. This is necessary to kill bacteria that may cause food poisoning.

Containers may be glass or plain tin. Pint jars and No. 2 or 2½ tin cans are the best sizes. Larger containers are not recommended for they need very heavy processing.

Best way to precook chicken to be canned in glass is to spread on a rack in a pan and cook in a moderate oven. Chicken canned in tins may be precooked in the cans before they are sealed by putting the cans in boiling water coming 1½ to 2 inches from the top of the cans. Do not fry chicken before canning, for it becomes hard and dry and develops a bad flavor in storage.

**Here is a new idea in egg cases. This corrugated egg case holds 24 dozen eggs—six trays with 4 dozen to the tray—instead of the usual 30 dozen. The 24-dozen size was decided upon to obtain more strength than is possible on the 30-dozen corrugated case. Use of molded filler-flats makes for quicker inspection. While intended as a one-way case, practical use has shown that it can stand as high as 15 trips without any damage whatever. For the manufacturer's name, write Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.**

## *Through the Editor's Specs*

[Continued from page 3]

ment room. There is no difficulty in keeping the temperature down in summer or winter for satisfactory holding of eggs. Yet the eggs produced in the hot weather of summer graded as "extras," but dropped back into "standards" in the fall and winter months. The reason appears to be that, normally, there is more moisture in the air in summer than in the cool weather. When eggs are held three or four days before shipment, the common practice, it is natural that there will be more evaporation in a dry room.

Over a period of 22 weeks, the effects of adding moisture to the egg room by means of a fine spray of water from a nozzle were compared with the results when no moisture was added. When moisture was added, from 86 to 100 per cent of the eggs went into the top grade. When no moisture was added, from 92.3 to 100 per cent of the eggs went into the second grade.

What does it mean in return? With a difference of 1 cent to 3¼ cents a dozen in the quotations on "extras" and "standards," this stunt of adding moisture in the egg room can put from $20 to $25 additional into the pocket of a poultryman running a 1200 to 1500-hen farm.

**Plans for a 1,500-Hen, One-Man Poultry Farm**—This popular brieflet contains a suggested layout for such a plant. Send a 3-cent stamp to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.



# Candling Eggs

## Means Pleased Customers

MANY people, including some poultrymen and farmers, think it foolish and unnecessary to candle fresh eggs. But for an egg to be fresh is not enough. It must also be free from all foreign matter, such as blood and meat spots. This makes candling important, because we must look at the inside as well as the outside of an egg before we can determine its quality. Therefore, every egg sold by the poultryman should be candled. It usually pays, because candled eggs bring a higher price.

### Candle If You Sell Direct

Candling is especially important for all poultrymen who sell eggs to retail customers. Untold thousands of customers have doubtless been lost because fresh eggs with blood spots in them have been delivered to them. In such cases the eggs were perfectly fresh, and even edible with small blood spots. But the customer does not know this, and the result is that his business is lost because he very naturally thinks he has been sold bad or spoiled eggs.

We cannot expect a customer to understand much about the different qualities of eggs, and to him every egg is either good or bad. And it is almost impossible to make a customer understand that an egg can be fresh if it contains a blood spot. For this reason it is much better to candle all eggs than to attempt to educate the customer. The trouble is that when a customer finds eggs with blood spots in them he simply quits buying from us without any explanation being given. If we ask him what is wrong he will usually give any reason he can think of except the real one. This is because he does not wish to offend. Most men are like this, to a certain extent, at least. Women are more frank.

### An Experience With "Blood Spots"

Last winter we were delivering eggs to two friends, without candling. We had previously told them that the eggs were not candled, but that we would make good any in which blood spots were found. In one week both customers complained of "bloody" eggs. Well, we lost one of these customers for about three months. The other one remained a customer. You may be sure that after this experience not another egg left the farm without first being candled. Please remember that the above customers were friends. Had they not been we would have lost them forever, and would probably have never known why.

Many poultrymen doubtless fail to candle because they believe it is a complicated job. But candling eggs is really very simple and requires comparatively little time. And the increased price usually obtained for candled eggs will well repay any poultryman for his time and trouble.

An individual bird will also be found occasionally whose eggs will all contain blood spots, which is still another reason for candling, because the particular bird cannot be detected and eliminated unless trapnests are used or the birds are kept in laying batteries. We culled a pullet two or three months ago that had laid eggs with blood spots in them from maturity.—E. J.

## *Smoked* Poultry

Smoked poultry can be prepared simply and cheaply at home. This delicacy is becoming a favorite of more people all the time. Complete directions for smoking poultry by the smoked salt brine method or salt brine and wood smoke method are contained in Brieflet MK-92, "How to Prepare Smoked Poultry." Write to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa., inclosing a 3-cent stamp, for this brieflet.

## *Cannibalism*

Cannibalism often is most likely to start right after pullets are brought into laying quarters. Do you know how to prevent this vice? Brieflet M-85, "Cannibalism," will give you some suggestions that may save you many valuable layers. Send a 3-cent stamp for this brieflet to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

## Rules for Flock Health

The poultry department of Purdue University has outlined the following rules for the prevention of diseases in poultry flocks:

First: Keep newly-purchased birds in quarantine for 10 days to two weeks.

Second: See that all old equipment is thoroughly disinfected to kill organisms remaining from last year's flock.

Third: Buy only tested and disease-free eggs or chicks, and know the flock from which your breeding stock is obtained.

Fourth: Use a double yarding system for ranges, especially for the young stock. Twelve month's sunlight is the best disinfectant.

Fifth: Use concrete floors in the houses wherever possible. These are easily cleaned. Use dropping boards under the roosts, protected by screen.

Sixth: Keep young and old stock separate. Do not attempt to raise chickens and turkeys in the same lots.

TURN Wormy BIRDS into LAYERS for as little as 1¢ each

● Some authorities claim worms can be found in 85% of this country's flocks. Worms poison layers. Ruin Production. Wreck profits.
But, you can turn your wormy birds into layers for as little as 1¢ each. Just give each bird a Pratts "Split-Action" Worm Capsule. Each "Split-Action" Capsule releases two different worm treatments hours apart. Each capsule does the work of two ordinary worm treatments. Here's the proof.
By actual laboratory count, one "Split-Action" Capsule removed these worms from just one (1) hen:
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| Birds over 3 lbs. Use Adult Size | | Birds 3 lbs. and under Use Chick and Pullet Size | |
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| 50 Capsules.. ☐ | $0.85 | ..... ☐ | $0.55 |
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Box 62 Wallingford, Conn.


# Laying Tests Summarized

Kauder's Leghorns at Storrs have something to cackle about. Since March 1 they have been the highest scoring pen in the country. With a week more to go than all other test pens, except those at New York State Test on Long Island, this entry has an advantage of practically 100 points over its nearest rival and tops the record held by the leading pen at the same time last year by about three points. At the rate these Leghorns are laying, they should make a new high record for a 13-bird pen.

### Mettler's Reds Lay Most Eggs

Thomas Mettler's Rhode Island Reds at Hunterdon, N. J., have pounded out the greatest number of eggs, with a total of 3620 for the first 11 months. This pen ranks second highest in the country and has a lead of 185 points in its own breed.

A. E. Guinn's White Leghorn hen passed the 300-egg mark in August and sports a total of 316 eggs and 345.50 points to September 1, but right behind her is Kauder's Leghorn at Storrs with 314 eggs and 343.70 points, and with her 51st week coming a week later than the Guinn hen's last week of the present laying test, Kauder's Leghorn has a good chance of taking over the throne for individual champion.

### Ford's Reds in Third Position

Ford's Rhode Island Reds at Maine have been consistent high producers and have a fairly secure grip on third highest perch in this year's competition. But what a struggle is going on for the other honor places in the select group of 10 high winners!

Dryden's Leghorns at Michigan hurdled two opponents and landed in fourth place. E. N. Larrabee's New Hampshires at Storrs got the same idea, spread out their wings, and sailed right into fifth position. Sand Springs Farm's Leghorns at Texas are a point behind, occupying sixth place. Following them are Kauder's Leghorns at Georgia, and Leader's Leghorns at Pennsylvania. And there is a battle royal for ninth position. At the end of August, W. C. Mullins' Reds at Texas claimed this place, but they were only a fraction of a point ahead of Warren's Reds at Storrs, which are in tenth position.

### Swanson on Top at Illinois

Leaders in the various breeds at the Illinois non-standard test through August are as follows: White Leghorns, Walter Swanson with 2145.25 points; Rhode Island Reds, Illinois Hatchery with 1674.50 points; New Hampshires, Corn Belt Hatchery with 1281.40 points; Barred Rocks, Egyptian Hatchery with 2003.50 points; and White Rocks, Mrs. C. Manshak with 1652.45 points.

### Strochlein Leghorns Lead in R.O.P. Test

Strochlein Brothers' White Leghorn pen has a strong grip on top position at the R.O.P. Progeny Test, Paterson, N. J., with a total of 3639 points and 3490 eggs. Highest bird to date at this test is a Rhode Island Red hen from Wegatepa Farms. E. B. Parmenter has the highest family to date. White Leghorns entered by Creighton Brothers were heaviest producers during August.

### Pennsylvania Birds Move Along

Birds at the Texas Test have the highest average number of birds to September 1. Pennsylvania layers advanced into second position during August, just a fraction of a point ahead of the Arizona birds. Western New York Test has the lowest mortality through the 335 days, with 13.46 per cent.

**High Hen Each Breed to Sept. 1—(335 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| A. E. Guinn | Wh. Leg. | 316 | 345.50 | Georgia |
| Ford's Riverbank Fm. | R.I.R. | 314 | 334.20 | Maine |
| Weber Durk Fm. | Bd. Rk. | 301 | 315.80 | Georgia |
| S. C. Houck | N. Hamp. | 291 | 313.40 | Penna. |
| E. S. McSweeny | Bl. Aust. | 287 | 306.00 | Arizona |
| Homestead Farm | Wh. Rk. | 278 | 302.55 | Storrs |
| Lindstrom Pl. Fm. | Wh. Wy. | 282 | 290.50 | Penna. |
| Raymond Murphy | Wh. Gt. | 267 | 285.00 | Missouri |
| Eriksen's Anc. Yds. | Anc. | 267 | 262.35 | Storrs |
| Colonial Pl. Fm. | Wh. Min. | 240 | 257.00 | Georgia |
| S. E. Raymond | Lamona | 228 | 240.25 | Storrs |
| Donald Chandler | S. L. Wy. | 227 | 244.00 | Maine |
| Blue Ribbon Fms. | R.I.W. | 216 | 238.10 | Texas |
| Laclede Hatchery | Bf. Orp. | 239 | 234.15 | Florida |
| Lindstrom Pl. Fm. | Bf. Min. | 238 | 232.60 | Rhode Isld. |
| Harry L. Phillips | Col.P.Rk. | 211 | 230.10 | Missouri |
| Hall Bros. Htchy. | Cross | 204 | 222.50 | N.Y. State |
| Eagle Nest H&B Fm. | Bf.Rk. | 203 | 219.15 | Maine |
| Wm. W. Lehman | Bf.Leg. | 205 | 208.80 | Penna. |
| Cedarlaid Pl. Fm. | Br. Leg. | 187 | 178.70 | Florida |

**High Pen, 13 Birds, Each Breed to Sept. 1—(335 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3515 | 3796.80 | Storrs |
| Thomas Mettler | R. I. R. | 3620 | 3698.40 | Hunt., N.J. |
| E. N. Larrabee | N. Hamp. | 3251 | 3428.15 | Storrs |
| Dryden Pl. Br. Fm. | Bd. Rk. | 3196 | 3206.55 | Penna. |
| Oscar W. Holtzapple | Wh.Rk. | 2658 | 2854.40 | Georgia |
| Lonnie Van Sant | Bl. Aust. | 2691 | 2843.75 | Arizona |
| Colonial Pl. Fm. | Wh. Wy. | 2571 | 2899.85 | Texas |
| Ben G. Monroe | Ancona | 2475 | 2530.70 | Texas |
| Harry L. Phillips | Col.P.Rk. | 2129 | 2237.85 | Missouri |
| T. D. Brown | Wh. Min. | 2077 | 2235.75 | Texas |
| Highland Pl. Fm. | Wh. Gt. | 2035 | 2213.10 | Rhode Isld. |
| S. E. Raymond | Lamona | 1992 | 2122.95 | Storrs |
| Donald Chandler | S.L.Wy. | 2034 | 2034.90 | Maine |
| Wm. W. Lehman | Bf. Leg. | 1984 | 2003.25 | Penna. |
| Lindstrom Pl. Fm. | Bf. Min. | 1938 | 1978.25 | Missouri |
| Hall Bros. Htchy. | Cross | 1744 | 1816.70 | N.Y. State |
| Iowa Master Breeders | Bf.Orp. | 1717 | 1786.55 | Missouri |
| Cedarlaid Pl. Fm. | Br. Leg. | 1982 | 1749.15 | Florida |
| Blue Ribbon Fms. | R. I. W. | 1655 | 1681.40 | Texas |
| Eagle Nest H&B Fm. | Bf.Rk. | 1393 | 1470.65 | Maine |

**High Pen, 13 Birds, for August in Each Standard Test**

| Owner | Breed | Eggs for Month | Points for Month | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 297 | 324.25 | Storrs |
| Schwegler's Htchy. | Wh.Leg. | 310 | 324.30 | West. N.Y. |
| Dryden Pl. Br. Fm. | W.Leg. | 306 | 321.75 | Cent. N.Y. |
| Thomas Mettler | R. I. R. | 305 | 317.05 | Hunt., N.J. |
| Sand Springs H. Fms. | W.L. | 289 | 297.20 | Georgia |
| Dryden Pl. Br. Fm. | W.Leg. | 279 | 296.35 | Michigan |
| W. C. Mullins | R. I. R. | 278 | 289.10 | Texas |
| Norman W. Amidon | R.I.R. | 265 | 288.80 | Rhode Isld. |
| Sebold Pl. Farm | Wh. Leg. | 281 | 288.60 | Pass., N.J. |
| Thomas Mettler | R. I. R. | 276 | 287.35 | Penna. |
| Ford's Riverbank Fm. | R.I.R. | 274 | 285.10 | Maine |
| Miami Chick Htchy. | W.Leg. | 270 | 279.95 | N.Y. State |
| Roscoe Hill Htchy. | Wh.Leg. | 265 | 279.25 | Missouri |
| David T. Cohen | Bd. Rk. | 278 | 274.85 | Arizona |
| Booth Fms. & Htchy. | W.Leg. | 253 | 274.60 | Okla. |
| Lone Oak Leg. Fm. | W.Leg. | 267 | 274.40 | Florida |

**High Pen, 13 Birds, to Sept. 1 in Each Standard Test—(335 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3515 | 3796.80 | Storrs |
| Thomas Mettler | R. I. R | 3620 | 3698.40 | Hunt., N.J. |
| Ford's Riverbank Fm. | R.I.R. | 3460 | 3513.90 | Maine |
| Dryden Pl. Br. Fm. | W.Leg. | 3281 | 3439.00 | Michigan |
| Sand Springs H. Fm. | W.L. | 3242 | 3427.50 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 3216 | 3411.70 | Georgia |
| Guy A. Leader | Wh. Leg. | 3286 | 3399.40 | Penna. |
| Booth Fm. & Htchy. | Wh.Leg. | 3065 | 3299.30 | Okla. |
| J. J. Warren | R. I. R. | 3000 | 3219.05 | Rhode Isld. |
| Content Farms | Wh. Leg. | 3106 | 3217.20 | Cent. N.Y. |
| R. O. Wagemaker | R. I. R. | 2976 | 3215.75 | Missouri |
| E. B. Parmenter | R. I. R. | 3091 | 3208.75 | Florida |
| Kauder's Ped. Leg. | Wh.Leg. | 2945 | 3107.45 | West. N.Y. |
| George A. Pearce | R. I. R. | 3076 | 3106.45 | Pass., N.J. |
| J. J. Warren | R. I. R. | 2925 | 3048.20 | N.Y. State |
| J. A. Hanson | Wh. Leg. | 2886 | 2961.10 | Arizona |

**Ten Highest Standard Test Pens in Entire Country to Date—(335 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| Kauder's Ped. Leg. | Wh.Leg. | 3515 | 3796.80 | Storrs |
| Thomas Mettler | R. I. R. | 3620 | 3698.40 | Hunt., N.J. |
| Ford's Riverbank Fm. | R.I.R. | 3460 | 3513.90 | Maine |
| Dryden Pl. Br. Fm. | W.Leg. | 3281 | 3439.00 | Michigan |
| E. N. Larrabee | N. Hamp. | 3251 | 3428.15 | Storrs |
| Sand Springs H. Fm. | W.Leg. | 3242 | 3427.50 | Texas |
| Kauder's Ped. Leg. | Wh.Leg. | 3216 | 3411.70 | Georgia |
| Guy A. Leader | Wh. Leg. | 3286 | 3399.40 | Penna. |
| W. C. Mullins | R. I. R. | 3190 | 3387.70 | Texas |
| J. J. Warren | R. I. R. | 3195 | 3387.55 | Storrs |

**Ten Highest White Leghorn Pens in Entire Country to Date—(335 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Kauder's Ped. Leghorns | 3515 | 3796.80 | Storrs |
| Dryden Poultry Br. Farm | 3281 | 3439.00 | Michigan |
| Sand Springs Home Farm | 3242 | 3427.50 | Texas |
| Kauder's Ped. Leghorns | 3216 | 3411.70 | Georgia |
| Guy A. Leader | 3286 | 3399.40 | Penna. |
| John A. Clear | 3149 | 3351.90 | Hunt., N.J. |
| Kauder's Ped. Leghorns | 3184 | 3348.20 | Georgia |
| Woodlawn Farm | 3106 | 3320.60 | Texas |
| Bryan J. Snell | 3065 | 3316.95 | Penna. |
| Booth Farm & Hatchery | 3065 | 3299.30 | Okla. |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(335 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Thomas Mettler | 3620 | 3698.40 | Hunt., N.J. |
| Ford's Riverbank Farm | 3460 | 3513.90 | Maine |
| W. C. Mullins | 3190 | 3387.70 | Texas |
| J. J. Warren | 3195 | 3387.55 | Storrs |
| Donald L. Crooks | 3085 | 3265.10 | Storrs |
| J. J. Warren | 3000 | 3219.05 | Rhode Isld. |
| R. O. Wagemaker | 2976 | 3215.75 | Missouri |
| E. B. Parmenter | 3091 | 3208.75 | Florida |
| Donald I. Goodenough | 2994 | 3194.45 | Storrs |
| Ralph W. Anderson | 2962 | 3189.35 | Storrs |

**Ten Highest New Hampshire Pens in Entire Country to Date—(335 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Edward N. Larrabee | 3251 | 3428.15 | Storrs |
| Hubbard Farms | 3082 | 3208.70 | Storrs |
| A. J. Williams | 2994 | 3057.25 | Florida |
| Fuzzydele Farms | 2732 | 2951.75 | Penna. |
| Del Rio Farm | 2739 | 2968.45 | Arizona |
| Steelman Poultry Farms | 2750 | 2900.40 | Storrs |
| W. H. Boulware | 2790 | 2895.75 | Florida |
| W. H. Boulware | 2812 | 2865.50 | Georgia |
| A. J. Williams | 2748 | 2860.95 | Florida |
| Goodwin's Poultry Farm | 2752 | 2860.65 | Storrs |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(335 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Dryden Poultry Br. Farm | 3196 | 3206.55 | Penna. |
| David T. Cohen | 2995 | 3105.75 | Cent. N.Y. |
| Dryden Poultry Br. Farm | 3000 | 3071.40 | Cent. N.Y. |
| Dryden Poultry Br. Farm | 2933 | 3010.95 | Storrs |
| Dryden Poultry Br. Farm | 2825 | 2972.50 | Missouri |
| Riley Poultry Farm | 2934 | 2893.95 | Michigan |
| R. C. E. Wallace | 2770 | 2869.25 | Cent. N.Y. |
| Fuzzydele Farms | 2723 | 2843.30 | Storrs |
| Charles Lathrop | 2705 | 2832.30 | Pass., N.J. |
| Egyptian Hatchery | 2776 | 2830.60 | Missouri |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(335 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Oscar W. Holtzapple | 2658 | 2854.40 | Georgia |
| Riley Poultry Farm | 2869 | 2829.50 | Okla. |
| Quinby School | 2688 | 2827.30 | Rhode Isld. |
| Homestead Farm | 2777 | 2807.40 | Penna. |
| Red Barn Poultry Farm | 2659 | 2805.10 | Storrs |
| Homestead Farm | 2704 | 2794.30 | Storrs |
| Oscar W. Holtzapple | 2656 | 2719.35 | Penna. |
| Kalerok Farm | 2538 | 2686.85 | Rhode Isld. |
| Kalerok Farm | 2509 | 2604.95 | Penna. |
| Riley Poultry Farm | 2575 | 2544.75 | Michigan |

**Average Production and Mortality to Sept. 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Aug. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Texas | 910 | 191.55 | 198.42 | 2.30 | 26.15 |
| Pennsylvania | 1,131 | 188.64 | 195.04 | 2.38 | 16.00 |
| Arizona | 260 | 191.18 | 194.98 | 1.15 | 15.76 |
| Storrs | 1,300 | 186.58 | 194.06 | 1.76 | 17.15 |
| West. N. Y. | 884 | 188.86 | 193.96 | 1.80 | 13.46 |
| Pass., N. J. | 1,001 | 185.21 | 188.70 | 2.57 | 20.67 |
| Hunt., N. J. | 650 | 183.66 | 188.63 | 2.15 | 21.46 |
| Cent. N. Y. | 910 | 177.88 | 183.17 | 1.53 | 16.37 |
| Georgia | 1,300 | 180.63 | 182.27 | 1.30 | 22.84 |
| Florida | 1,003 | 176.86 | 177.94 | 2.56 | 20.19 |
| Oklahoma | 650 | 171.66 | 176.25 | 4.61 | 23.84 |
| Michigan | 897 | 169.94 | 174.97 | 2.34 | 26.19 |
| Rhode Island | 650 | 163.84 | 172.44 | 2.46 | 23.84 |
| Missouri | 780 | 156.14 | 161.80 | 2.05 | 25.38 |
| N. Y. State | 1,222 | 159.04 | 159.30 | 2.45 | 21.60 |
| Maine | 1,027 | 148.27 | 150.63 | 2.72 | 26.60 |
| All Tests | 14,820 | 175.98 | 180.45 | 2.25 | 21.43 |


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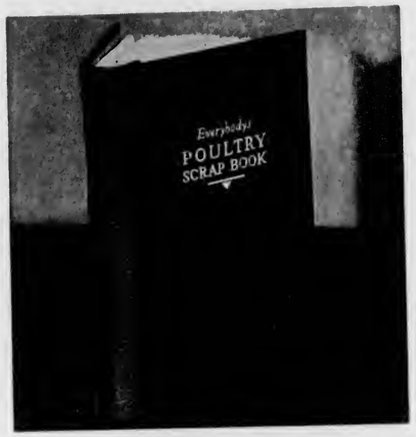


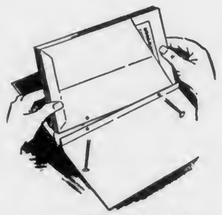

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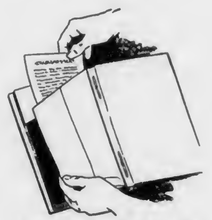

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# News Notes

## CALENDAR OF EVENTS

Oct. 3-4, Annual Meeting of Virginia State Poultry Federation and Southern States Marketing Cooperative, Fredericksburg, Va.

Oct. 3-4, Third Annual Virginia Egg Show, Elks Hall, Fredericksburg, Va.

Oct. 12-13, Jersey Chick Convention and Exposition, Hotel Claridge, Atlantic City, N. J.

Oct. 16-20, 19th Annual Poultry Short Course, Pennsylvania State College, State College, Pa.

Oct. 16-28, 21st Annual Poultry Short Course, Purdue University, Lafayette, Indiana.

Oct. 18-20, Semi-annual Meeting of Pennsylvania State Poultry Association, State College, Pa.

Dec. 8-10, 4th Rhode Island Poultry Industries Exposition, Cranston Street Armory, Providence, R. I. W. H. Cotter, Jr., Sec., 310 State House, Providence, R. I.

Jan. 3-7, 1940, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N.Y.

Jan. 10-11, 1940, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

Jan. 15-19, 1940, Pennsylvania Farm Show, Harrisburg, Pa.

July 22-25, 1940, International Baby Chick Association Convention, St. Louis, Mo.

## SHOW DATES

Oct. 1-8, National Poultry Show, Southeastern Fair, Atlanta, Ga.

Oct. 3-7, York Fair Poultry and Pigeon Show, York, Pa. John H. Rutter, Sec., 141 W. Market St., York, Pa.

Oct. 12-14, 8th Annual Holyoke Poultry Show, Holyoke, Mass. J. W. Young, Sec.

Nov. 12, 9th All-Bantam Show of New England Bantam Club, Grange Hall, Whitman, Mass.

Nov. 16-19, 16th Annual Essex County Poultry Association Winter Show, Carlstadt, N. J. Albert Fischer, 26 Jerome Ave., Belleville, N. J.

Nov. 29-Dec. 3, Rochester Poultry Show, Rochester, N. Y. Don W. Cook, Sec., 220 Harding Rd., Rochester, N. Y.

Dec. 2-4, The New Haven Show, New Haven, Conn. Erle Dahlberg, Sec'y, 450 State St., New Haven, Conn.

Dec. 4-9, 15th Annual Pittsburgh Poultry Show, Duquesne Gardens, Pittsburgh, Pa.

Dec. 6-10, Detroit International Poultry, Rabbit and Pigeon Show, Convention Hall, Detroit, Mich.

Dec. 7-10, Chicago International Poultry Exposition, Chicago, Ill. Geo. Fitterer, Mgr., P. O. Box 518, Chicago, Ill.

Dec. 8-10, Danbury Poultry Show, Danbury, Conn. W. M. Roth, Sec., 8 Hoyt St., Danbury, Conn.

Dec. 14-17, Dayton Poultry Show, Dayton, Ohio. Carl F. Schelling, Sec., R. 7, Dayton, Ohio.

Jan. 3-7, 1940, Central States Poultry Show, New Castle, Ind. Wm. Pickens, Sec., Rt. 2, New Castle, Ind.

**Virginia Poultrymen Plan Annual Meeting**—The Annual meeting of the Virginia State Poultry Federation and Southern States Marketing Cooperative will be held at Fredericksburg, Va., Oct. 3 and 4. Speakers on the program include T. C. Byerly, University of Maryland; Harry L. Moore and E. P. Johnson, Virginia Polytechnic Institute; W. G. Wysor, manager of Southern States Cooperative; S. B. Shaw, chief of Maryland Department of Markets; W. D. Termohlen, Agricultural Adjustment Administration, Washington, D. C.; H. L. Shrader, U. S. extension poultry specialist; Charles W. Wampler, Harrisonburg, Va.; and other prominent poultry and marketing specialists. The Third Virginia Egg Show will be a feature of this meeting.

**Pennsylvania Poultry Meeting to Have Outstanding Speakers**—The Pennsylvania State Poultry Association's semi-annual meeting will be held at State College, Pa., Oct. 18 to 20, following the 19th annual Pennsylvania Poultry Short Course, Oct. 16 to 18. The program for the Association's meeting is as follows:

**Wednesday, October 18**

1:45 p.m. — "Establishing Satisfactory Poultry Ranges," by F. V. Grau.

2:30 p.m.—"My Observations and Experiences in Brooding Chicks," by Leslie Hubbard, Hubbard Hatcheries, Lancaster, Pa.

3:30 p.m.—"Housing and Feeding 35,000 Layers," by Hobart Creighton, Warsaw, Ind.

**Thursday, October 19**

9:00 a.m.—"Combating the Mortality Problem," by J. H. Martin, head of Regional Poultry Disease Laboratory, East Lansing, Mich.

9:45 a.m.—"Respiratory Diseases, Their Diagnosis and Control," by R. E. Lubbehusen, Purina Mills, St. Louis, Mo.

10:45 a.m.—"Will Farm Electric Rates be Greatly Increased?" by Miles Horst, Pennsylvania Farmer, Pittsburgh, Pa.

11:30 a.m.—Business meeting of Pennsylvania State Poultry Association.

1:30 p.m.—"The Nutritional Deficiency Diseases of Poultry," by L. C. Norris, Cornell University, Ithaca, N. Y.

2:30 p.m.—"Poultry Mortality from Non-Infectious Causes," by R. E. Lubbehusen.

3:30 p.m.—Inspection of the new poultry plant at the Pennsylvania State College.

6:30 p.m.—Banquet.

**Friday, October 20**

9:30 a.m.—"The Fundamentals of Genetics for the Poultryman," by J. H. Martin.

10:15 a.m.—"The Functions of Manganese in Poultry Nutrition," by L. C. Norris.

11:15 a.m.—"The Value of Dried Milk in Poultry Rations," by Walther Ott.

Further information about the Poultry Short Course program or the Association program can be obtained by writing to the Poultry Department, Pennsylvania State College, State College, Pa.

**Northeastern Poultry Producers Council** will stage its next all-industry show, the Fifth Neppco Exposition, at Atlantic City, N. J., October 1 to 4, 1940. The show will fill the large city-owned auditorium located on the boardwalk. A business convention of the Council's officers, directors, delegates and important committeemen will be held in New York City this fall.

**The Chicago International Poultry Exposition**, to be held December 7-10, will be staged in the grand ballroom and adjoining exhibition hall of LaSalle Hotel in the heart of downtown Chicago. This show, promoted as a non-profit organization, will be held the same week as the Chicago International Live Stock Show.

**National Feed Week is being observed October 16-21 with dealers in many communities holding meetings for poultry raisers and their families. This is the third annual observance of National Feed Week.**

## CONDITIONS

**More Layers**—Flocks of crop reporters on September 1 showed a 3.8 per cent increase in layers and an 8 per cent increase in pullets not of laying age, over a year ago, according to the U. S. Department of Agriculture.

## *Lights* for Layers

Lights will step up winter egg production if properly used. Great care is necessary, however, for best results. For complete information, write for a copy of Brieflet M-84, "Artificial Lights in the Laying House," sending a 3-cent stamp to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

**The egg-feed ratio**, compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| August 24 | 7.5 | 4.9 | 7.0 |
| August 31 | 7.1 | 4.5 | 6.5 |
| September 7 | 6.6 | 4.3 | 6.7 |
| September 14 | 6.7 | 4.5 | 6.4 |

**Total cash income from farm marketings in 1939** is estimated by the U. S. Bureau of Agricultural Economics to be $7,225,000,000, compared with $7,538,000,000 in 1938 and $8,621,000,000 in 1937. Government payments are estimated to total $675,000,000 in 1939, compared with $482,000,000 in 1938 and $367,000,000 in 1937.

**Estimate 1939 Poultry Income Down**—The U. S. Bureau of Agricultural Economics estimates that the total cash income from marketings of poultry and eggs this year will amount to about $685,000,000, compared with $699,000,000 in 1938 and $753,000,000 in 1937.

## ORGANIZATION

**The Northeastern Federation of Egg and Poultry Cooperatives**, meeting at State College, Pa., August 31 and September 1, deferred action on a merger with the Northeastern Poultry Producers Council. Two suggested plans had been drawn up, but it was believed that the member organizations should have more time to consider the merger.

As a result of the refusal of the New York Mercantile Exchange to set up a new grade for nearby eggs, establishment of a central marketing agency in New York City for handling nearby eggs was discussed. The matter was left to the quotations committee for definite recommendations, but during the meeting, a telegram was received from the New York Mercantile Exchange offering to enter into further discussions on a new grade.

Approximately 75 representatives, officers and managers, of eastern egg and poultry co-ops attended the meeting.

**The Brockton (Mass.) Cooperative Egg Auction** finished its biggest year recently with a gross business of $903,984, representing sales of 89,872 cases of eggs and 13,498 crates of poultry. Its membership is now nearly 2,000.

Sanford E. Alger, Jr., Brockton, and Eben Wood, West Bridgewater, have been

**H. E. Botsford (left), Cornell University, was in charge of the grading laboratory of the Maryland Poultry Products Marketing School at College Park, Md., September 6 to 9. Attendance was reduced when packers had to cancel reservations which they had made for some of their randlers to attend, because of the rush of business occasioned by the outbreak of war. Well known authorities in egg and poultry marketing were on the program. C. W. Kitchen, head of the government's new Agricultural Marketing Service, spoke at the banquet.**

# POULTRY BOOKS

### Diseases and Parasites of Poultry

**By E. H. Barger and L. E. Card.** One of the newest, most complete and most practical books on poultry diseases. Second edition, enlarged and thoroughly revised, published in 1938. An earnest endeavor to present material which is scientifically accurate without being too technical for the non-scientific reader. Designed to aid flock owners in the task of eradicating and controlling transmissible diseases and in improving the health and efficiency of the flock. Special emphasis is given to diseases which have been most serious in recent years. 386 pages, 80 illustrations, cloth bound ..... $3.75

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### Judging Poultry for Production

**By J. E. Rice, G. O. Hall and D. R. Marble.** This is the most complete book on production judging and includes not only adult poultry, but also eggs and baby chicks. Takes up various parts of the fowl like the head, body and coloring and what they indicate as to laying abilities. 425 pages, illustrated, ..... $3.75

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### Practical Poultry Management

**By J. E. Rice and H. E. Botsford,** Cornell University. This is a book that we can recommend highly for the novice or the seasoned poultryman. It covers practically all phases of poultry management, is well illustrated and is written so anyone can understand it. The third edition is up-to-date in its recommendations. 592 pages, 319 illustrations, cloth bound, $2.75.

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### Broilers the Battery Way

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### Poultry Science and Practice

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Club No. ..... coming to the address below at once. Mine is a ☐ new ☐ renewal ☐ to be extended subscription. (NOTE, We will extend the subscription of any present subscriber who wants to take advantage of these exceptional offers).

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ADDRESS .....

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re-elected president and vice-president, respectively, for their eighth consecutive terms.

**The American Poultry Association** is again offering its flock inspection service to hatcheries and poultry flock owners who wish to have their birds examined by licensed judges. For details, write Geo. W. Hackett, Wayzata, Minn.

**The Vineland Egg Auction** on September 8 wired Secretary of Agriculture Henry A. Wallace to take action that would prevent such drastic increases in the grain markets as occurred early in September shortly after the outbreak of war in Europe.

**North Carolina Poultry Council,** meeting in connection with State Farm and Home Week at North Carolina State College, elected the following officers: K. F. Howard, Dunn, N. C., president; L. H. McKay, Hendersonville, N. C., vice-president; and Roy S. Dearstyne, Raleigh, N. C., secretary.

## TURKEYS

**The Native Turkey Institute** has been formed by the Massachusetts Turkey Growers Association to promote the sale of Massachusetts turkeys. It is being financed by an assessment of 1 cent a bird for all birds owned on September 1. Feed dealers and feed companies will match the fund thus raised. An additional charge of 5 cents for each bird marketed will be made on growers. All turkeys will be sold under the blue tag of the association.

**New Jersey turkey growers** will identify their dressed turkeys marketed this year with celluloid button tags carrying the grower's name and address. The two-color tag, drawing attention to the fact that the bird is a New Jersey product, will be attached to the wing.

Four-page leaflets carrying information about the high quality of Jersey turkeys, together with some recipes for uses of turkey meat, will be distributed.

**The New Jersey Turkey Experiment Station,** Millville, N. J., is nearly complete and will begin operations about November 1. Buildings on the 18-acre tract include a three-story structure having an auditorium on the first floor, four rooms on the second floor and a third floor attic; eight colony houses and two breeding houses.

## LEGISLATION

**North Carolina's new egg law,** now in effect, requires labeling of all containers of eggs having been in cold storage 30 days or more, either within or without the state, as cold storage eggs. North Carolina hotels and other eating places serving cold storage eggs must print on their menus "cold storage eggs."

## MARKETING

**Pennsylvania Auctions Pass Million Case Mark**—Pennsylvania's five egg auctions sold 254,023 cases of eggs in 1938, bringing their total since the first Pennsylvania auction started at Doylestown in 1931, to 1,066,409 cases. Gradual growth of Pennsylvania auctions, shown in sales, is as follows: 7,736 cases in 1931; 39,653 cases in 1932; 88,632 cases in 1933; 116,144 cases in 1934; 144,954 cases in 1935; 177,315 cases in 1936; 237,952 cases in 1937; and 254,023 in 1938.

Bucks County Auction at Doylestown led during 1938 in total number of cases sold, with 73,429. December was the largest month in 1938, with 25,645 cases being sold by the five auctions. May ranked second in volume, with 24,054 cases sold.

Tri-County Auction at Worcester topped all other Pennsylvania auctions in average price in each grade for the year. Average price for fancy large white eggs at Tri-County Auction during 1938 was 33.70 cents per dozen, and for fancy large brown eggs, 32.64 cents per dozen.

**Propose Revision of U. S. Egg Standards**—Changes in the official quality standards and tentative wholesale and retail grades for shell eggs are being proposed by the Agricultural Marketing Service. Among changes suggested, the number of wholesale grades would be reduced from 22 to 11, and weight specifications in the retail grades would be raised slightly for large, medium and small eggs.

"If the proposed revisions are later promulgated officially," the Service announced, "their use would be permissive, not compulsory, with the single exception that they would govern futures trading in eggs."

The proposals are available in convenient form for study. Copies are available upon request from the Agricultural Marketing Service, U. S. Department of Agriculture.

## MISCELLANEOUS

**The Production Turkey Show** at the New York State Fair, Syracuse, New York, August 26 to September 2, had 130 turkeys on display, the largest turkey show ever held in New York State. Grand champion male and grand champion female awards were won by A. O. Smith & Son, Calcium, New York, showing White Hollands.

**Poultry and eggs** are among the products included in the reciprocal trade agreement which the United States is negotiating with Argentina. Public hearings will be held in Washington, D. C., Oct. 16.

**Long Island poultrymen,** through the Suffolk County Home and Farm Bureau, are promoting eggs by holding meetings at which the value of eggs in the diet is explained to housewives.

**British poultry raisers** are being urged by their government to produce all the eggs they can, according to the English poultry publications issued since the outbreak of hostilities. City people are being urged to keep a few chickens and also to plan on a vegetable garden next spring if they have the space. Poultry raisers are being told that there is no likelihood of an immediate shortage of poultry feed and that prices are likely to be fixed by the government.

Normally, England imports about one-third of its eggs from other countries, and Poland, Denmark and Holland were among the countries furnishing a large share of the eggs.

**The Milo poultry shipping coop created somewhat of a sensation at the World's Poultry Congress. These two men stood on the coop to demonstrate its unusual strength. Chief features of the Milo coop is that it stops shrinkage of birds on the way to market as a result of cushioned wire mesh floors and wet mash feeding in transit. It is easily cleaned, because the droppings fall through the wire mesh floor to a paper which can be pulled out for cleaning. Being collapsible, the coop requires only 25 per cent space on the truck for the return trip, making it possible to carry a pay load.**

**Former Congressman Elmer H. Wene (left), New Jersey hatcheryman, and Paul V. McNutt, head of the Social Security Board, exchanged some views on the poultry situation when they came together recently as guests of Senator W. H. Smathers of New Jersey. Mr. McNutt spoke at the peace day celebration at the World's Poultry Congress in Cleveland.**

## THE TRADE

**The New Era Equipment Co.,** Trenton, N. J., has introduced an extensive line of poultry equipment and appliances, including the famous Magic Brooder previously made by the United Brooder Company. A large catalog of the new line is ready and it can be obtained upon request by any readers of Everybodys Poultry Magazine.

**Dr. Hess & Clark,** Ashland, Ohio, is now on the air with The Farmers' Forum, a weekly 30-minute program on which Sam Guard, noted farm authority, interviews outstanding farm folks. Harrisburg, Lancaster and York, Pa., are among the eastern stations carrying the program at 7:30 p.m. EST, each Tuesday.

**Silmo AA** is a vitamin A concentrate with a vegetable oil base containing xanthophyll and other flesh-coloring elements, explains David Molof of the Silmo Chemical Corporation, Vineland, N. J., in explaining the difference between his product and other vitamin A carriers. Silmo AA is guaranteed to contain 6,000 USP vitamin A units to the gram.

**The Chic-Tone Company** on September 1, will move its offices from Angola, Indiana to Bath, Pennsylvania, according to an announcement from Little B. Brown, president. Grover Roberts, who has represented the firm in the East, has been named general manager.

**Stark Brothers Nurseries** have secured control of a new blight-resistant pear which was awarded the grand sweepstakes prize over more than 500 new fruit entries at the 1939 Summer National New Fruits Show, sponsored by the Stark-Burbank Institute of Horticulture, Louisiana, Mo.

The new pear, shown by Mrs. Mary Milner, Salt Lake City, Utah, has filled one of the greatest gaps in horticulture—the need for a high quality pear ripening before the Bartlett, of large size, beautiful appearance, delicious flavor, hardiness, heavy bearing and resistance to blight.

**Irving Kauder,** whose Storr's Pen is leading all pens of all breeds in the U.S.A., to date, left the early part of September for the Canadian Woods to spend a short vacation hunting and fishing in the virgin country, far distant from the crow and cackle by which he is surrounded on his Pedigreed Breeding Farm. Mr. Kauder is an ardent hunter and has bagged many moose.


## Worthwhile Information

**In the booklets and circulars offered by manufacturers serving the poultry industry, you'll find many ideas that will mean profits for you. Here are a few such pieces of literature which can be obtained by WRITING DIRECT to the address appearing after each listing.**

**Bud Batteries,** which were prominently exhibited at the World's Poultry Congress in Cleveland, are described and illustrated in a new catalog, available on request. Both laying and growing batteries are represented, and both 3-deck and 4-deck types of each, to suit conditions. Address Budke Stamping Company, Dept. E, Canonsburg, Pa.

**Ful-O-Pep for Laying Hens**—A new 32-page book explaining the Full-O-Pep feeding program and giving valuable hints for laying flock management.—The Quaker Oats Co., Dept. 1-4, Chicago, Ill.

**Nature's Masterpiece—Calcite**—An interesting 32-page booklet discussing the value of calcite as grit and as a source of lime for bone development and egg shell formation. — Limestone Products Corp. of America, Dept. 790, Newton, N. J.

**Free Plans** of laying houses, brooder houses and battery plants are available from the Homasote Company, Dept. 310, Trenton, N. J.

**Nuggets of Poultry Progress** — A new 16-page booklet reviewing 16 years of research on Larro feeds. — Larrowe Milling Co., Dept. D, Detroit, Mich.

**Science Safeguards Your Flock Against Disease**—A new booklet describing how you can prevent such diseases as tracheitis, fowl pox and pullorum disease. Gives a poultry health program. Tells how egg-propagated vaccines are made.—Vineland Poultry Laboratories, Box 70-C, Vineland, N. J.

**Bul. 163—Poultry Sanitation**—A folder describing diseases of poultry and offering suggestions for prevention.—Parke-Davis & Co., Desk K53K, Detroit, Mich.

**STANDARD OF PERFECTION** 1938 REVISION NOW READY

*Published by American Poultry Association.* Followed by all poultry judges in the United States and Canada. Contains complete description of all recognized varieties of Standard-bred fowls; 17-page glossary of technical terms; instructions to judges; more than 200 illustrations, pictures, diagrams; 492 pages. Strong, blue cloth cover ..... *$2.50*

Everybodys Poultry Magazine Hanover, Pa.

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This great 36 page book, "*Poultry House Blue Print Plans*" has been issued as a service to our readers. We want every reader to have a copy, so we have placed the price at only 25 cents a copy.

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Six ways to construct moisture-proof poultry house floors.–How to ventilate to prevent damp litter.–How to construct nests that will reduce egg breakage.–Plans for a hopper for breeding males.–Plans for a simple egg cooling tray.–How to construct exit guards to prevent floor drafts.–Instructions for making a droppings pit.–How to repair leaky roofs.–How to make double-swing partition doors.–Plans for roosts that can be used for all ages of chickens.–Remodeling barns into laying houses.–Keeping litter dry around fountains.–Plans for an insulated egg storage house.–How to insulate poultry houses.–How to build a summer shelter for growing stock.–Plans for a feed storage bin.–Plans for a handy catching panel.–etc., etc.

*Mail the coupon below — you won't want to be without this valuable book.*

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Dept. 205, Hanover, Pa.
I enclose 25 cents for a copy of "Poultry House Blue Print Plans."

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*Conducted by Aunt Sally*

# Everybody's Home Page

## Our October Patterns

**Pattern 4220** . . . This graciously charming afternoon frock for mature women holds needed softness in through the bustline by means of its decoratively scalloped yokes and waistline darts. Those two front skirt panels are so slimming. Bright contrast is gay on the sash. Designed for sizes 34 to 48. Size 36 requires 3⅝ yards 39 inch fabric.

**Pattern 4209** . . . From its adorable bib-yolk to the merry swing of its full skirt, this frock spells YOUTH. Darts under the yoke create soft bodice fullness; slantingly placed pockets add dash. Designed for sizes 12 to 20. Size 16 requires 3⅜ yards 39 inch fabric.

**Pattern 4210** . . . Kiddies are wearing the jumper-style—they love it for playtime and schooltime. This cute jumper with its scalloped straps boasts the handy button-front closing. Note perky bolero. Designed for sizes 4 to 12. Size 6, jumper, requires 1⅝ yards 54 inch fabrics; bolero, ⅝ yard; blouse ¾ yard 35 or 39 inch fabric.

Price of Patterns 15¢ (in coins) each. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

### Order Our Pattern Book Today!

The cold rush is speeding your way . . . . are you clothes-ready? Take a short-cut to fashion via our new Fall and Winter Pattern Book. It rounds the family circle clothing needs, costing you a minimum of time, money and effort. You'll see styles for tiny tots and growing lass. There's a wardrobe for your going-away-to-college daughter, and striking all-occasion wear from the Twenties through the Fifties. Also included are housefrocks, lingeries and tumbling-in-the snow outfits, as well as news of new fabrics and accessories. And all in terms of the easiest-to-use patterns you've ever set needle to! Hurry . . . send for this book now!

Price of the book is 15 cents. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

**Sandwiches for School Lunches**—A bulletin of more than 20 tasty and healthful sandwich fillings which will make the school lunch more enjoyable. Send 3-cent stamp to Service Bureau, Everybodys Poultry Mag., Hanover, Pa.

Modern Science Institute

### Egg, Tomato and Macaroni Casserole

With a new twist in its preparation, the above trio will rise and shine for the family these cool, fall days as one meal that actually fills 'em to the brim.

To flavor the accustomed quantity of cooked macaroni in your casserole, mince onion and green peppers and put into a skillet along with thick slices of ripe tomatoes. Use plenty of frying or butter and turn the tomatoes when slightly browned but not broken apart. The idea is for them to be seared over but not mushy. Stir the onions and peppers until soft. Now arrange in alternate layers with the macaroni until it is filled. Slip thick slices of hard-cooked eggs around the outside and over the top. Either melt snappy cheese in a double boiler and pour over the top or grate stale cheese and sprinkle through the layers with the other ingredients.

Save a nice thick slice of tomato for the center top and lay an egg slice on that. Pour over the mixture a plain cream sauce made from the standard recipe of 2 tablespoons of flour to each cup of milk. A little chopped parsley provides a nice flavor and is an added decoration. Bake in moderate oven for a half hour or until the top is tinted brown. This is a delicious dinner in itself.

### Omelet for Supper

The chill of October in the late afternoon rules out cold suppers. The busy men of the place have quite an appetite by 6 p. m. and a piping hot omelet hits the hungry spot. There are baskets of pullet eggs waiting to be cracked into a mixing bowl, so let us meditate on just what method to take in making the family omelet. It is a simple trick to make either the folded over individual style or one of those huge fluffy sort done in a heavy skillet in the oven and finished under the broiler flame for the final tint of brown.

#### Folded Omelet

This calls for one tablespoon of liquid for each egg, and since the eggs are beaten yolks and whites together, milk is the liquid used. Beat until foamy and light, then add seasoning and the milk. Pour into a well greased frying pan and place at moderate heat. As it cooks, tip the pan so that the uncooked part of the mixture flows under the cooked part and when all is brown on the bottom, fold over and serve. As an extra touch, spreading the top with a tart jelly or marmalade before folding adds the sweetness relished by many. Place on a hot platter or individual plate and serve at once!

OMELET CAUTION: Have the family wait for the omelet, not the other way around, and serve at once when cooked.

#### Fluffy Omelet

Separate the eggs. Beat the yolks until thick and foamy, add seasoning. For the tablespoon liquid for each egg, you can use water, tomato juice or orange juice. Milk is ruled out because the fat content reduces the beaten whites, and the secret of a delicate fluffy omelet is to hold up the beaten whites without over whipping.

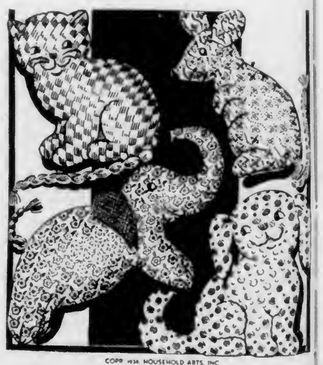
Fold the beaten yolk mixture into the whites and turn into a well oiled skillet or heavy pan and place in a very hot oven for ten minutes then lower the heat to moderate and finish cooking in about 30 minutes, so you know that means a slow oven. The test for being finished is when the omelet springs back from pressure of the finger. If a deeper brown tint is desired, hold under the broiler flame the same as for the folded omelet.

### Keeping Them Fit

When school bells ring out all over the land, our attention is drawn to children's diet and their fitness for school work over the months ahead. In this consideration, the value of eggs in the daily menu should not be over looked.

Every school child should have an egg a day. Of course, their use in the preparation of foods for other meals of the day must be taken into account. However, the school box lunch will be mother's problem for the coming months, and the use of hard-cooked eggs combined with other cooked vegetables, meats etc., will be the base for mid-day snacks for the school child.

Serving sandwiches for the past few months in a busy place has brought to light few new suggestions for fillings, but former favorites renewed popularity. Among which were bits of crisp bacon, chopped with hard-cooked eggs and only enough mayonnaise to hold it together.



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### Cuddle Toys—Pattern 6253

This cuddle toy foursome—a cat, an elephant, a mouse and a dog have pulled up so they can be in the Christmas fun together. They're ever so easy to make and stuff—just two identical pieces for each (not counting the ears). Start hunting for bright print scraps now! Excellent gifts to tuck in a stocking! Pattern 6253 contains a pattern for the animals; instructions for making them; materials needed.

Send 10 cents in coin for this pattern to **Everybodys Poultry Magazine, Needlecraft Dept., 82 Eighth Ave., New York City.**



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This year, Pratts Laying Mash (and "Crop-Solid" Pellets) can produce more eggs than ever before. So, qualities of protein and carbohydrates that will support body weight and heavier production have been increased. "Trace Elements," . . . Nature's health builders from the earth, . . . have been added.

In its "Crop-Solid" Pellet form, Pratts Laying Feed digests more *naturally*. Digestion is bettered. Appetite appeal is greater. The whole bird, . . . not just her egg organs, . . . is raised to a higher rate of production. That's how Pratts Buttermilk Laying Mash (and "Crop-Solid" Pellets) is made.

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Please send me your booklet—"The Whole Truth About Feeding Layers" and the name of my nearest Pratt dealer. I enclose 5c to cover postage.

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**Pratts, BUTTERMILK LAYING MASH (and "Crop-Solid" Pellets)**


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10 CENTS

DECEMBER 1939

*In This Issue:*

**Plans for 24 x 24 2-Story House**

no. 9 missing at time of binding

Partial airplane view of the 164-acre U.S. R.O.P. Pedigree breeding farm and 80 modern buildings devoted exclusively to breeding finer GASSON STRAIN S. C. White Leghorns

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# *This Month* With Your Flock

### Keep the Feed "Visible"

Birds will eat more when they can see the feed easily. Keep your pens bright, the hoppers running at right angles to the windows, and free of any shadows.

### Check the Roosting Habits

When you make your nightly rounds of the laying houses, inspect each pen to see if the birds are spread out evenly over all the roosts. Crowding on the roosts may mean there are drafts or that some other housing condition is not as it should be.

### Feed Storage Bins are Handy

A feed storage bin is a convenient piece of equipment in the winter time. The type that can be filled from the outside of the building is especially a time saver. Now is a good time to build them if your pens are not already equipped with them.

### Hoppers for Male Breeders

Gallant male breeders often become so attentive to the females that they fail to eat enough. A good way to prevent this trouble is to have special hoppers for the males. The perch can be about 7 inches from the floor and the feeder about 21 inches above that. This will be out of reach of the layers.

### Watch the Ventilation

Birds need fresh air all year 'round. Don't make the mistake of closing the house entirely on a cold, windy night. Allow some opening for the old air to escape and the fresh air to enter.

### Keep the Egg Room Moist

Egg quality tumbles rapidly, even in winter, when the egg room humid-

[Please turn to page 21]

"Am I glad they've started talking turkey!"

### Selling the Big Turkeys

Feed was plentiful this year, so the turkeys which are being marketed now average heavier per bird. This adds another problem to the job of marketing a 22 per cent larger crop of turkeys, for a survey by the National Association of Food Chains several years ago indicated that 73 per cent of the demand was for turkeys within the range of 8 to 13 pounds. Only 5 per cent bought turkeys over 18 pounds.

Chain stores have been doing a lot to sell more turkeys and to extend the season in which they are being served beyond the holidays, but John A. Logan, head of the food chain organization, offers the suggestion that turkey producers supplement the activities of the chain stores by getting restaurants, hotels, railroad dining cars, hospitals, charitable homes, Army and Navy, penal institutions and others to purchase large size turkeys and to serve them over a longer period. It would offer a means of moving more of the heavy birds which do not find a ready sale among housewives.

While housewives prefer and buy the smaller turkeys, the smaller breeds which have been developed don't seem to be gaining in popularity among growers to the extent that the massive Broad Breasted Bronze turkeys are winning favor. Still further effort will have to be put forth in selling the large birds, and perhaps it may lead eventually to the sale of turkeys by the piece, a practice which is still prohibited in many sections.

### Aim for More Efficiency

Many poultry raisers are now confronted with the knotty problem of where to buy their 1940 chicks. It is something that deserves serious consideration, for as the poultry business has become more efficient and competition has increased, one has to have better than just average stock in order to show something for his efforts at the end of the year.

The practice of jumping around like a jitterbug from one place to another for chicks each year is not a good policy, for it means constant experimentation and the results are never very certain. This habit seems to be quite general among the "shoppers," those folks who make the rounds to drive hard bargains. There seems to be much less of this among the people who pay good prices for their chicks, for the purchase of better quality stock means satisfaction.

How important it is to have a flock of better than average quality was described rather forcibly by Dr. M. A. Jull, poultry head at the University of Maryland, several months ago. He pointed out that a 100-egg hen requires 8.3 pounds of feed to produce a dozen eggs, whereas a 200-egger requires only about 5 pounds of feed for a dozen eggs. It shows how much more profitable the 200-egg hen is, yet she takes up no more space in the poultry house than 100-egger.

While total egg production this year is higher than the average for the past 10 years, the individual still must be interested in producing eggs in his own flock as efficiently as possible, and well-bred stock must necessarily be the starting point.


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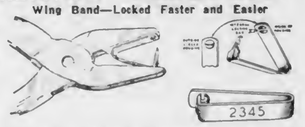


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# Plans for a 24x24 Two-Story

# *Laying House*

By G. T. Klein
Massachusetts State College

PLANS for a Massachusetts poultry house have been in the making for several years. From a narrow, open front, single wall house has evolved a completely insulated building with glass windows, regulated slots for ventilation and much deeper than houses of a decade ago.

The house is designed principally for multi-story construction. Double deck houses are very common and in the state can be found buildings up to six stories in height. If the construction is right and the houses are properly framed and braced, there seems to be no difficulty with the multi-story building. Such buildings ventilate just as simply as single story houses.

In Massachusetts the difference in construction cost of an insulated and an uninsulated building is about $1.00 a bird capacity. It is considerably lower per bird in a multi-story building than in a single-story building because of proportionately less wall and roof space to be insulated. Spread over a period of years, the cost of insulation in the multi-story house does not seem excessive.

On farms where both insulated and non-insulated types of houses are in use, the value of insulation is well appreciated. It can be said for it that litter can be kept dry more easily, water seldom freezes and such a house is a more comfortable place to work.

### 24 by 24 Favorite Size

The new poultry houses of Massachusetts range from 24 to 30 feet in depth. Twenty-four feet is a favorite size. Rooms are usually 24 feet in width with solid board partitions between them. They ventilate adequately in practically all cases from the south side with the aid of slot and window adjustments.

In houses 30 feet in depth, double sash windows are frequently used. In 24-foot houses a combination of single and double sash windows work well. In 20-foot houses a row of single sash windows across the front of the house is usually adequate for light and ventilation.

### Method of Ventilation

The ventilation for this house consists of a combination of sliding adjustable windows and ventilating slots. The openings may be equipped with ordinary window glass, glass substitutes or some other non-ventilating material that will admit light.

Single sash windows, usually slide into frames in the wall where a 1-inch slot is necessary for drainage. This slot is also used for ventilation. The air which enters on a level with the floor rises between the outside sheathing to empty into the house midway between floor and ceiling. These low slot openings should be equipped with inside valves, so that they may be completely closed.

A ventilating slot, 4 to 8 inches wide, depending upon the depth of the pen, is placed along the entire front at the highest point above the windows. The slot openings are equipped with a simple board hinged at the top to swing out and make their own over-hang to prevent storms from beating in. There should be four to six of these in each 20 to 24-foot wide pen. Often, in severe cold or windy weather, the house is ventilated from these slots alone or two or three of those in the center of each room.

Other ventilation adjustments consist of rear windows in the north wall which are opened during hot weather to allow free circulation. These windows are located below the droppings board when this feature is used, but considerably above the roosts when the droppings pit is constructed.

### House Should Face South

The plans are designed for the buildings to face southward. This orientation may be varied slightly without seriously affecting results.

[Please turn to page 15]

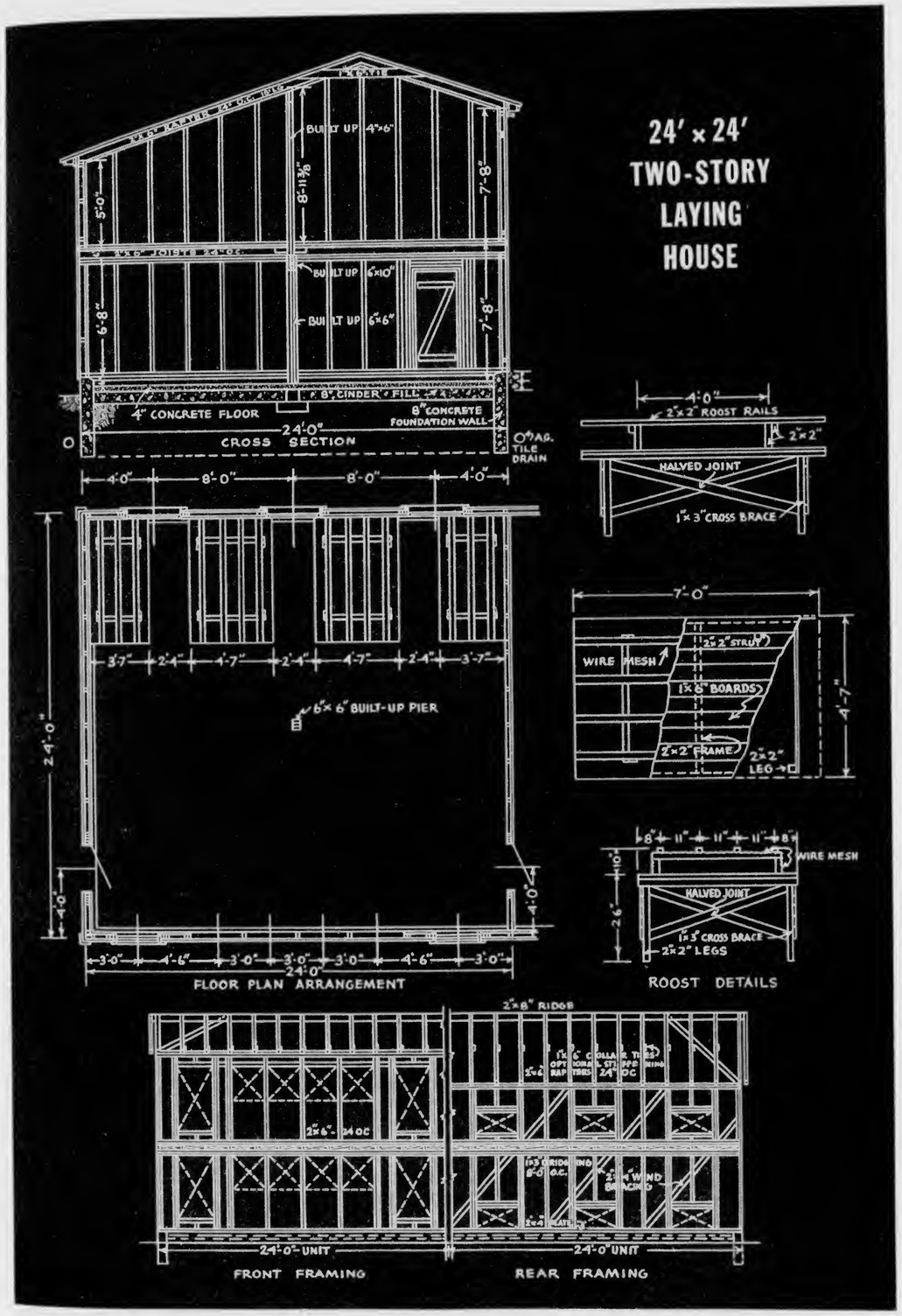
## *Restricted-Front Ventilation*

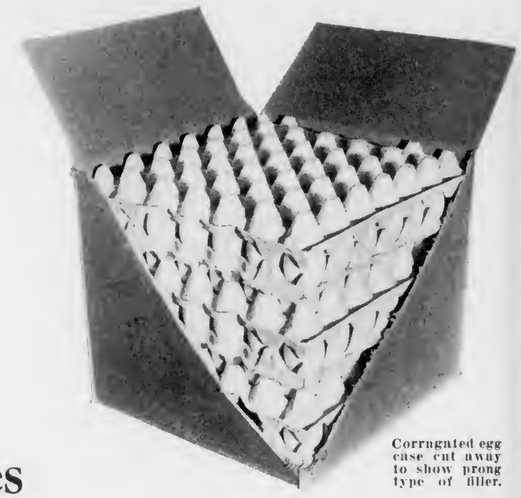
The diagram above shows how air circulates under the restricted front method of ventilation in the Massachusetts 24 by 24 laying house. A cross-section diagram showing in detail the construction of this type of front appears on page 15.

Fresh air enters over the top of the windows, drops to the floor, moves toward the rear, rising as it becomes heated by the birds and moving forward along the ceiling to escape from the slot opening beneath the eaves. If the windows are opened entirely at the front, the movement of air is rapid and there is little recirculation. If the openings are adjusted so that they are small, there is some recirculation of air as indicated by the arrows in the diagram. The windows should be of glass or a glass substitute, not muslin. Best results are obtained in an insulated house.

While each flock [Please turn to page 14]







Corrugated egg case cut away to show prong type of filler.

# Roughness *in* Handling Causes

# Tremulous Air Cells

## *Rigid Pack Helps to Reduce Condition Which Hurts Egg Quality and Lowers Hatchability*

By Charles W. Knox

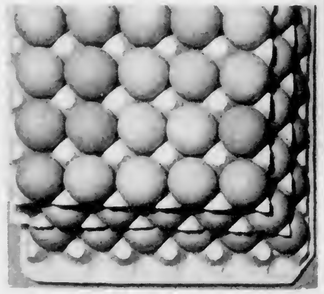
TREMULOUS air cells are defects in eggs whereby the inner and outer membranes separate at the line where the air cell ends. Tremulous air cells in eggs is an important topic of discussion wherever market men get together. In one of their annual meetings the opinion that these weak cells were the fault of the producer either in his feeding or breeding of his chickens was offered. Furthermore, it was demonstrated that when an egg was jarred with the large end held downward, a tremulous air cell was produced which, of course, did not alter the interior quality of that egg.

Such opinions led to an experiment to determine some of the causes of tremulous air cells in eggs. It was realized at the start that a hen did not lay an egg with a tremulous air cell, therefore, the causes of this condition must be the care that the egg receives after it is laid.

Preliminary to this experiment it had been noted by the investigators at the U. S. Bureau of Animal Industry's Experimental Farm, Beltsville, Maryland, that hatching eggs received from the various sections of the country came in different kinds of containers and were packed differently.

All of these eggs were candled before being placed in the incubator and it was found that some packages contained a greater percentage of eggs with tremulous air cells than others. It was also noted that this was true irrespective of the distance that they were shipped. As a matter of fact, eggs received from the Pacific Coast had a smaller percentage of tremulous air cells than some eggs carefully packed and shipped a distance of only 250 miles. In the latter instance, all of the eggs showed tremulous air cells. These tremulous air cells appeared to hatch poorer than the eggs with normal air cells.

Drawing on the experience in hatching these eggs and the opinions expressed by the market men, one case of eggs was shipped from Beltsville, Maryland, to Ames, Iowa, and return and two cases to Chicago, Illinois, and return. The total distances shipped were approximately 1800 and 2400 miles, respectively.



With the prong type of filler, no egg is directly over an egg in the tray that is immediately below it.

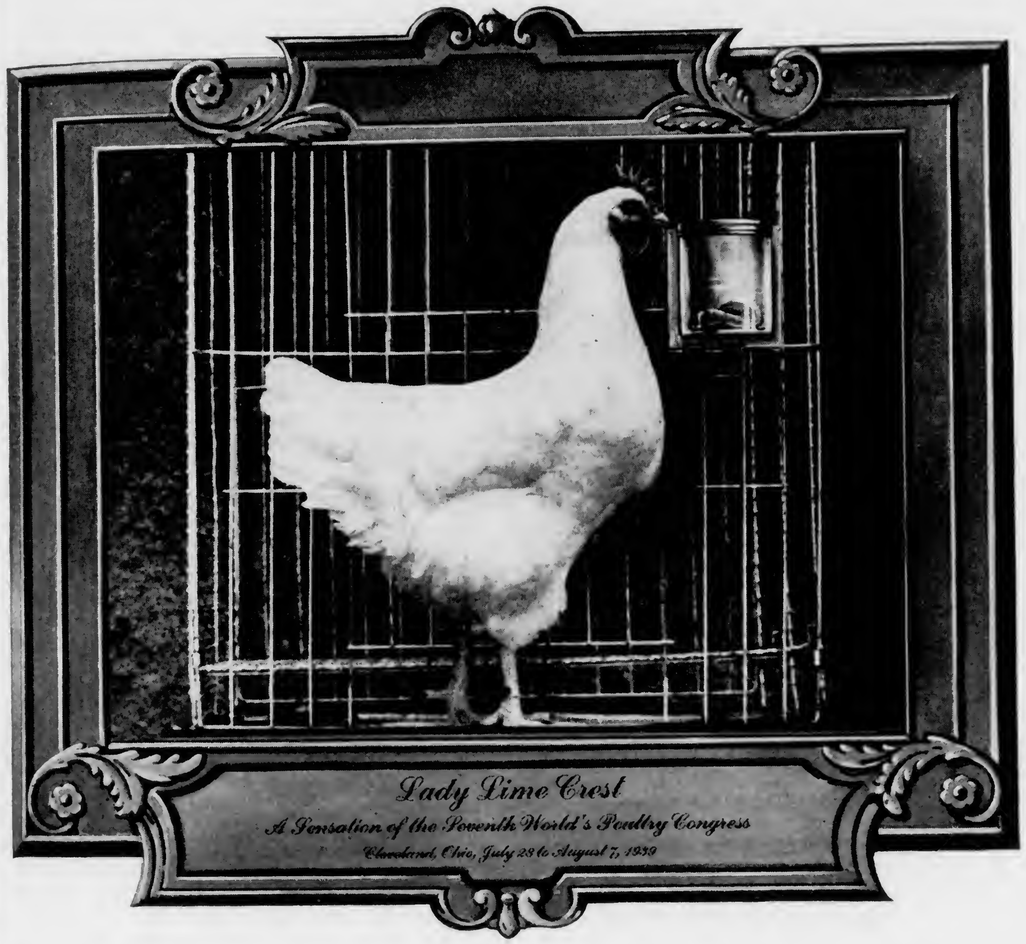
Each case was made up of two lots of eggs which might be considered as loose packs and three lots as rigid packs. In one of the loose packs the ordinary filler and cup flats were

[Please turn to page 20]

**Table 1—Condition of Air Cells in Per Cent for Each Pack**

| Condition of Air Cell | RIGID PACK | | | LOOSE PACK | |
|---|---|---|---|---|---|
| | Newspaper Wrapped | Sawdust Packed | Prong Type | Filler and Cup Flat | Eggs Every Other Space |
| Normal | 72.2 | 63.8 | 64.7 | 25.5 | 11.3 |
| Tremulous | 25.0 | 31.9 | 24.1 | 42.5 | 19.8 |
| Badly Tremulous | 2.8 | 4.3 | 11.2 | 32.1 | 68.9 |



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Lady Lime Crest salutes America's Feed Manufacturers.

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# *Diary* OF A POULTRYMAN

*The author of this feature is a commercial egg farmer who is located in Wayne County, Ohio. His flock consists of 4,500 White Leghorns. Keep in mind that these daily observations are published a year after having taken place. — Editor.*

## By P. S. White

**Dec. 2**—The volume of eggs on the Auction sales is gradually increasing. The next thing we know it will be necessary to build an addition to the institution. I always try to get the eggs in early as possible on receiving days, but I was late today. It looked so much like rain this morning that I thought I had better not make the trip. But I got them in this afternoon with corn and oats as a return load.

**Dec. 3**—For the last few days we have been having an epidemic of trouble with the electric light sockets. First, there was one in the block house, then on the third floor and today the one directly over the water fountain on the first floor of the barn. It seems that they shake inside, and perhaps they light, and perhaps they don't. The best way out is simply to replace them with new ones. It is cheaper in the long run. I made it a rule years ago to have a few extra electric fixtures, pipe fittings, nails, bolts and screws available at all times. Often times it saves a trip to town and gasoline still costs money.

**Dec. 6**—Today we started cleaning the brooder houses for a fare-ye-well. The litter was removed several weeks ago, but that was only the beginning, only the beginning. The real cleaning is sweeping the ceiling and walls, scraping the floor and cleaning the windows. Then last, but by no means least, is a good painting with creosote and kerosene, with the floors soaked with crank case oil.

It is a nice clean smell if one likes the smell of creosote. I don't mind the smell of it, but Kid White says she doesn't like the odor all through the house. It is just a wee bit odoriferous for her. After this treatment the houses will stand idle until the last week in April, when a new crop of chicks are started. A clean, disinfected house, standing idle throughout the winter, is a good way to keep down disease next spring. It is a regular policy on the ranch, has been for years.

**Dec. 7**—The carpenters finished this afternoon. We are now ready for the painter to do the interior woodwork. Probably I should say the house is ready for the interior decorator. I rather imagine Old Man Shuey would rather be called an interior decorator.

After the carpenters left, I made two trips to town. The "in" trip was a load of poultry fertilizer, return load, corn and oats. The return load on the second trip was all corn. It seems that our feed bins were rather low. Guess I have been helping the carpenters at the expense of our service of supplies. And it does take supplies to keep the wheels of industry turning.

**Dec. 8**—It took most of the day to get caught up with the egg packing. Last night Verne Chamberlin was over and we just whiled away the time installing a water pump and fixtures in the new dwelling. One of the requirements of a chicken man is to be able to do any kind of work, carpenter, electrical, plumbing, concrete, painting, etc. And when two chicken men get together, there is very little work left that they won't be able to do.

Pullet egg size is on the increase. Today there were no pee-wees (under 18 oz. per doz.) and only about a hatful of pullet eggs or those weighing between 18 and 20 oz. to the dozen. The number of border-line eggs, 23 oz., is rather striking. This size is the maximum for "mediums" and the minimum for "large." One has to use discretion when packing.

". . . we have been having an epidemic of trouble with the electric light sockets."

**Dec. 10**—Not much cold weather so far this year. Production from the pullets is on the up and up; from old hens, it is on the down and down. And so the wheels of the industry turn, grinding out the bitter with the sweet. Egg prices are holding quite steady, but there is a time coming when they will leave a bitter taste in the memory.

**Dec. 12**—No painters on the job in the new dwelling. Kid White and I have already invited the auction employees, their wives and their sweethearts to participate in a big, get-together jamboree house-warming. We had hoped to have this party before the holidays, but if the painters don't soon get started, it will be impossible to do so.

Harold set up one of the tin can, oil burning brooder stoves in the bended-bow rafter brooder houses and started cleaning the range hoppers and water stands. He can work on them only at odd times. A wire brush and a scraper are used to clean them. Then they are given a good coat of hot creosote. This equipment has been in use for 10 years and is still in good condition. A stitch in time—is worth while.

**Dec. 13**—Before coming home today, after taking the eggs to the auction, I went over to Walter Buss to borrow his pipe dies. I am installing the plumbing work in this new dwelling at odd times. Incidentally, I stopped by the supply house for additional pipe fittings. It always takes a barrel of fittings when I do plumbing work, because I have such weird ideas. I am connecting a hot water tank to the furnace and also to a tank heater stove. In cold weather the furnace coil heats the water, and in the summer, the stove can be used. I say at odd times, if one can consider working until 1 a.m. and after as being odd times. The nights—they are too long.

**Dec. 14**—There were four painters on the job today. Old Man Shuey said he would be through by Saturday night. I immediately phoned the auction that the big night would be the 20th and appointed Florence Dowling as chairman of the entertainment committee. Everybody is invited, also their wives and sweethearts.

The old hens in the block house are now getting the "works." Hot buttermilk poured over their mash in the morning makes them go wild with delight. Aside from raw meat, I don't know of anything that stands a flock of birds on their ears as much as milk. They just fall all over each other to get to the hoppers.

**Dec. 15**—The temperature in the egg room is 40 degrees and the relative humidity is 70 degrees. Egg quality, like that proverbial goose, is hanging high. As a matter of fact, interior egg quality is one of my least worries. If the ration is right and conditions in the egg room correct, there is no excuse for poor quality eggs. But it really isn't as simple as it sounds.

**Dec. 16**—After a bird has had the very life forced out of her for about 12 months, the molt is an exceptionally trying time. It is a great change in her life. Sometimes it is a question of life and death. I have known birds to go into the molt in excellent condition, all things taken into consideration, and come out of it a physical wreck. Today I mopped up on a bunch of these weaklings; they were weak sisters and no question about it. Two fair sized hands full of legs meant an awful lot of fuel for the incinerator. This time the incinerator happened to be the furnace. Kid White threw the doors wide open, not because of any odors, but to let the excess heat escape. Costly fuel, but easy disposal.

"All windows were washed inside and out . . ."

**Dec. 17** — The regular Saturday work was completed on schedule time and the calf barn cleaned. The calf barn happens to be a 10 by 12 tile structure previously used as a manure house before the advent of our rubber-tired wheelbarrow. It makes an ideal place for the calves—warm, dry and well ventilated.

The painters finished decorating the new dwelling. Monday will be cleanup day in preparation for the big party for the auction crowd. All seem to be expecting to have a large time.

Tonight I ceased making a pullet egg grade. I have packed my last case of this grade until next fall. There is nothing like having well-bred stock that lay a minimum of this size.

**Dec. 19**—"Redding-up" is a right smart job in a newly constructed house. The basement, of course, was the worst, and that was bad. It had been used as a catch-all, and it sure caught all the odds and ends of everything. We waded in, burned, carted out, stacked up and laid down articles too numerous to mention. All windows were washed inside and out, and still they need washing and more washing to remove paint, varnish and plaster. Tomorrow I will bring out the chairs and tables.

The pullets in the west house are eating like a house afire. They are eating, and production is on the up




**Hall's Chicks**

Leghorns ~ Reds ~ Rocks ~ Wyandottes
New Hampshires ~ Hallcross (Crossbred) Chicks

All chicks produced from flocks tested for Pullorum Disease (B.W.D.) by the Official State Testing Agency of one of the six New England States, with NO REACTORS FOUND Tube Agglutination tested, within the preceding calendar year

"WELL BRED FROM WELL BREEDERS"

**For Egg Production and especially Egg Size**

**HALLCROSS PULLETS**

**are markedly superior**

When we first introduced HALLCROSS chicks in 1931, we had in mind particularly, a special chick for broiler production, which would live better and grow faster. They did that, and almost revolutionized the broiler business.

It soon became apparent that these HALLCROSS chicks would not only live better and grow better—they would *lay better* and *lay larger eggs*, as many poultrymen have found out to their profit. When we knew this, we decided to prove it; and we obtained definite figures of 76 HALLCROSS flocks, for comparison with the better grades of purebred pullets.

**HALLCROSS vs. HOME LAYING CONTESTS**

| | |
|---|---|
| 76 Flocks HALLCROSS 1933-34 Average production | 192 eggs |
| New Hampshire H.E.L.C. 1933-34 Average prod. | 164 eggs |
| Connecticut H.E.L.C. 1934 Average production | 162 eggs |
| HALLCROSS SUPERIORITY . . . . | 17.8 |

Having proved HALLCROSS egg laying superiority under FARM conditions, we thought we would see what they would do under official CONTEST conditions, and the following year we entered a pen of HALLCROSS Sex-Linked Pullets in the Farmingdale contest. Here are the results.

**FARMINGDALE CONTEST**

| | | |
|---|---|---|
| Hallcross pen 1935-36 | 2321 points | Egg size 25.16 |
| Average score all pens 1935-36 | 1969 points | Egg size 24.11 |

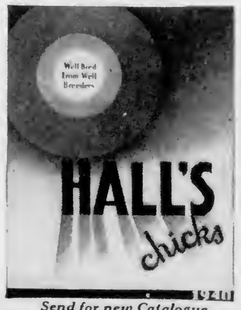
HALLCROSS SUPERIORITY IN PRODUCTION 17.9
EGG SIZE 4.4

In egg size the HALLCROSS Pen finished 4th out of 67.

These HALLCROSS Sex-Linked Pullets are the offspring of the Red-Rock Cross; and the reciprocal cross,—the Rock-Red—are just as good layers. You may expect as good production from Barred HALLCROSS as from HALLCROSS Sex-Linked Pullets. But remember, all Crossbred chicks are not HALLCROSS, and cannot be expected to perform like HALLCROSS. Our Catalogue tells why.

SPECIAL 5% DISCOUNT FOR EARLY ORDERS

**Quality chicks since 1911.** "Never a week without a hatch" since 1927. **Pullorum free by State test since 1928.** Each year we sell more chicks than ever before. **We ship prepaid and guarantee 100% live delivery.** Catalogue and Price List free.

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**"KERLIN QUALITY"**
**S. C. White Leghorns**

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Into our "Master-Breeding" Pens have gone all of our high-producing hens from American Egg-Laying Contests: high producing hens, certified to, by a State or U.S., R.O.P. Council. Males and Females from U.S., R.O.P. dams with trapnest records 275 to 300 eggs, that have 4 to 6 consecutive generations of 250 to 340 egg ancestors on dams' side, 300 to 352 eggs on sires' side.

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Men and women agents wanted who know poultry and interested in making money. Get up to $2.25 per 100. Sell Chicks for breeder of World's Record Egg Layers and 1939 World's Poultry Congress Winners. Best New Hybrids, also pure breeds—White Vikings, Leghorns, Rocks, Reds, Orps., Wyan., etc. All chicks guaranteed. Thousands of chicks hatched daily. Details on CASH INCOME PLAN FREE. Write Rucker's Imperial Breeding Farm, Box 720, Ottumwa, Iowa.




and up. There are six pullets that are still at large, just can't catch them. They roost in the spruce trees and fly like birds when approached. But their time is coming in the sweet by and by.

**Dec. 21**—Tired, well, I guess yes. Kid White slept all afternoon. Donnie's little dog, Mabel, has been stretched out on the floor all day, absolutely worn out. The Kid had roasted 15 pounds of peanuts, baked three angel food cakes, made three gallons of ice cream and five gallons of hot chocolate. It was a party, a regular stem-winder; wives, husbands and sweethearts—everybody came. Mrs. Treat, Florence Dowling, Mildred Senff, George Group, Donnie and I played a game called Chinese Checkers. As Al Smith would say, I must be a Chinaman with my hair cut, for by the time I got on to the game, George had won it. These three young ladies helped Kid White and May serve the refreshments, which were mowed down and stowed away. We got to bed at two o'clock.

"It is a quiet, silent night and all is well."

**Dec. 22**—We are beginning to make preparations for the Christmas week-end. Harold started cleaning the boards this afternoon. The weather had warmed up, so cleaning was comparatively easy. Droppings always thaw from the bottom up so it is possible to remove them although they are frozen. It means extra bulk to handle, a few extra trips, because it is hard to pack on a load. Extra feed has been ordered to be delivered Saturday. The 65-gallon oil tank has been replenished. I am going to bring out a few sacks of hard coal for the hot water stove tomorrow. Then we will be all set for everything.

**Dec. 23**—The usual Friday trip to town was made in record time. Everybody seems to be in a hurry these days. Suppose they have the Yuletide spirit in their bones. Monday will be a holiday too, but the auction will be held at 9 a.m. It simply means that the boys want all eggs delivered early so I tried to do my part.

We tackled the dropping boards in the three north houses after dinner. The weather hadn't warmed up quite as much as we had anticipated and scraping was rough. After well nigh jerking my arms out of their sockets a few times, I conceived the idea of loosening them with the ice hoe. An ice hoe is an ordinary garden hoe


*The* **ONLY UTILITY BREED** *with white feathers, yellow skins and yellow legs that* **LAYS WHITE EGGS**

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And CHRIS-CROSS Barred Hybrid Chicks

Are the first choice of the High-class Broiler Producers and Egg Producers of the Maryland Peninsula and all the great production centers of the East. Now is the time to reserve your SPIZZERINKTUM Hatching Eggs or Baby Chicks for spring shipment. Write Today for Illustrated Catalog and Price List.

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One customer writes—"By Gadd, they are good. I've been raising Chicks all my life but I've found yours are much better than any others." Hundreds of such letters bespeak the customer satisfaction we enjoy. Buy Gadd this year. You'll be pleased. Free Catalog. Write today.

THE TERRACES

**THOMAS B. GADD,** Box 6 **PLYMOUTH, N.H.**




straightened. The cleaning went easier.

**Dec. 24**—Christmas Eve, the night that comes only once a year, is here at last. Santa Claus has already come and departed for parts unknown. The Old Man has just finished packing the eggs, taking care of the cows and the last round of the long houses has been made. It is a quiet, silent night and all is well. Verne Chamberlin, Georgianna and the two children will be over tomorrow for a turkey dinner. Donnie and I will do the work as Harold and May are going home for the day. Mash buckets have been filled and extra oiled corn has been mixed. We are still mixing about one-half of 1 per cent cod liver oil with the corn. It doesn't take long to do it, and the dividend is large.

**Dec. 26**—We did only the necessary work again today. Harold went hunting; Kid White put off washing until tomorrow; Donnie White, the old reliable, stuck on the job with me. Nothing happened of any importance except that a nervous pullet flew out of the nest and hit me square in the face.

**Dec. 27**—Evidently there has been much cooing and wooing among the auction, employees over the Yuletide week-end. One girl was married Christmas Day and two others were wearing diamond rings this morning. A vast array of glittering stones greets the eye when one enters the building. Discreet inquiry revealed the fact that neither the new husband or the husbands-to-be are chicken men. I am still wondering if there is any significance in this fact.

**Dec. 28**—Feather pulling and picking among the pullets is gradually on the decline. For the past few days we have had no trouble. But this doesn't mean that the old vigilance has ceased.

This red salve we put on the victims seems to be hot stuff. One sniff and the pursuer turns away in apparent disgust. Frankly, I don't smell, but Harold got a good, stout whiff of it today and it made him as sick as a dog. In fact, I began to think he was going to start eating grass.

**Dec. 31.**—To me, there is something sad about today, the last day of the year. I just don't know exactly what the new year might bring forth. I know what has taken place in the past, but the future is unknown, and the unknown is more terrifying than the known. Anyway, the old year has been rounded out in good shape. The work is up to date; we are even with the board. Not only is the year's work up to date but it has been satisfactory. I, too, like the young lovers of the auction, can look out on the world and laugh, and the world laughs back. It is good to be in the land of the living.


**C'MON GIRLS, LAY—THE BOSS SAYS YOU'RE LAZY INSIDE**

IT TAKES more than a pep talk to get eggs from hens in cold weather.

Good feed and care *plus* Dr. Hess Poultry Pan-a-min have always meant good production on our Research Farm. We get as many as 23 extra eggs per bird per year from Pan-a-min birds and the ten-year average is *19 extra eggs per bird!*

Pan-a-min is a tonic—*also* a mineral supplement. Its tonic properties stimulate body functions by (1) whetting the appetite, (2) increasing the flow of digestive juices, (3) promoting assimilation, and (4) assisting elimination.

The *minerals in Pan-a-min* are very important from an egg-production standpoint because minerals are necessary to the normal functioning of the hen. *Many feed ingredients are deficient in mineral content.*

Add Dr. Hess Poultry Pan-a-min to your ration. We recommend that you use it regularly (3 pounds to each 100 pounds of mash). Talk to some one who uses Pan-a-min—he'll give you close-to-home facts about this tonic and mineral supplement. Then see your Dr. Hess Dealer for a supply of Pan-a-min.

KILL LICE THE ROOST-PAINT WAY WITH DR. HESS LIQUID LOUSE KILLER. SPREAD A THIN FILM OF LOUSE KILLER ALONG ROOSTS WITH HANDY RUBBER SPREADER. THE NICOTINE FUMES PENETRATE FEATHERS WHILE BIRDS ARE ROOSTING AND KILL LICE.

HELP PREVENT THE SPREAD OF COLDS AND DISEASE BY DISINFECTING THE DRINKING WATER WITH DR. HESS POULTRY TABLETS.

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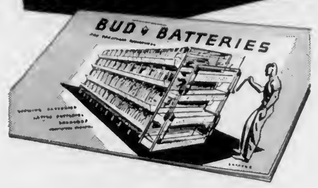


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### Here's a New Way to Get Eggs in Winter. Costs Nothing to Try

Mrs. C. H. Wagner, a Wisconsin poultry raiser, has a real idea for chicken raisers who are not getting eggs. She says:

"On Nov. 1st, our 150 pullets were not laying. I gave them Don Sung and got 364 eggs in the next 3 weeks; sold $75 worth in December, and $120 worth in January. The birds were strong and healthy all winter, and cackled like it was spring."

Don Sung, the Chinese brand of tablets which Mrs. Wagner used, are opening the eyes of chicken raisers all over America. These tablets can be obtained from Burrell-Dugger Co., 188 Postal Station Bldg., Indianapolis, Ind. Poultry raisers whose hens are not laying well should send 50 cents for a trial package (or $1 for the extra large size, holding 3 times as much). Don Sung must show you a profit or your money will be refunded, so it costs nothing to try. Eggs are always worth real money. Why not start giving Don Sung to your flock now?

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Hatching Eggs and Day Old Chicks
WRITE FOR CATALOG
Conrad's Poultry Farm, South Gibson, Penna.


# SERVICE BUREAU

PROTECTION E.P.M. SERVICE

### Virginia Deputy Sheriff Nabs Thieves and Receives EPM $25.00 Reward

William Gemmell, deputy sheriff of Pulaski, Virginia, has been paid a reward of $25.00 by Everybodys Poultry Magazine for rounding up three thieves who stole 10 Bronze Turkeys from Subscriber Lawrence Gannaway, Draper, Va., and nine from Harry Honaker, a neighbor, both of whom have registered tattoo brands.

The theft occurred on August 27, 1939. Police in a nearby city stopped the car of the suspects, but permitted them to go on, taking down the license number. Deputy Gemmell trailed the thieves to the Roanoke market, then to Louden County, some 300 miles away, where he arrested Luther Lane, Eldridge Akers and Mrs. Eldridge Akers on September 6. Two days later Lane, who was a previous offender, was sentenced to a four year term in the state prison, while his accomplices each received two year sentences.

**Report Thefts Promptly** — Subscribers who own registered tattoo brands should report poultry thefts to the state police or sheriff as soon as discovered. With high speed cars, thieves can travel long distances quickly and dispose of stolen birds. Inform the police of the $25.00 reward offered by Everybodys Poultry Magazine. State police are generally not allowed to receive individual rewards, but such rewards would be paid into the police benefit fund.

**Tattoo Ink**—If you are in need of liquid tattoo ink, send 25 cents for a can of ink to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa. Orders will be filled promptly.

# Everybodys POULTRY PARTNER

Enclose a 3-cent stamp for reply when writing to Poultry Partner, Everybodys Poultry Magazine, Hanover, Penna.

### Holding Hatching Eggs

Q.—What is the maximum length of time that hatching eggs may be kept and still hatch well? I have in mind selecting only the very best hens for breeders and if I made so close a selection, I will have to save eggs four to six weeks to have enough. Would they keep that long if I wrapped them carefully? What would be the most favorable temperature for holding them until time to set them?—Miss E. H., Ohio.

A. — Eggs for incubation deteriorate rather quickly after they are five or six days old, while eggs as much as three weeks old or more usually do not hatch at all, according to Dr. M. A. Jull. One breeding farm in the West, however, that has been developing families whose egg embryos will live for a long time, has held hatching eggs as long as three to four weeks, and obtained good results. This is by far the exception, however, and the average egg embryo will not live that long.

Since hatchability does decrease rapidly, I do not believe it would be wise for you to save your eggs as long as four to six weeks. Even though you may not have many eggs at the end of one or two weeks, it would be well to set them at that time, if at all possible, in order to secure a fairly satisfactory hatch.

Various investigators have found that approximately 55 degrees Fahrenheit is the best temperature at which eggs for hatching should be held.

### Producing Roasters

Q.—Is it possible to raise chicks to the weight of 5 pounds at the age of four months, and if so, which breeds would be advisable?—J. W. D., N. Y.

A.—Yes, it is quite possible to raise birds to the weight of 5 pounds at the age of four months. A successful roaster producer in Schuylkill County, Pa., for instance, has been able repeatedly to get his birds up to 4½ to 5 pounds at 15 to 16 weeks of age.

Breeds which make the best roasters are the dual-purpose or heavy breeds, such as Barred and White Rocks, New Hampshires, Rhode Island Reds, Wyandottes, Orpingtons, and the first crosses of these various pure breeds. However, it is the strain within the breed, rather than


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When egg production drops, look out for round worms! Mix Dr. Salsbury's Avi-Tone in the mash. Ideal flock treatment for control of large round and pin worms. Contains five appetite-stimulating drugs. See your dealer, or write us.

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**"have used STONEMO Granite Grit for many years and recommend it to our customers."**

Only sound bodied birds can establish such records in Egg Laying Contests—or in commercial production. Follow the lead of America's outstanding poultrymen—feed STONEMO for BETTER PRODUCTION, GREATER LIVABILITY and BETTER HATCHABILITY. Help your hens make more profit for you too—feed STONEMO GRANITE GRIT. Sold on a money-back guarantee.

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Low Feed Prices, Good Chicks and proper care require only eight to ten weeks to produce Broilers for Market. Small down payment starts shipment to you. Write for Brower's large 100 page Catalog and Guide explaining the Broiler Business and describing the World's Largest Line of Poultry Supplies—over 425 items at low prices.

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**BROWER'S** BATTERY BROODERS

Easy Payments


# *The Situation* BRIEFLY REVIEWED

**Egg prices** are in a rather weak, unsettled condition, despite consistently heavy sales at the four major markets. Nearby special whites sold for 31-31½ cents a dozen at New York on November 20 this year, compared with 36 cents a dozen on November 21, 1938. Nearby special browns brought 33 cents a dozen this year, compared with 37 cents a dozen a year ago. Mixed color firsts were quoted at 23½ cents a dozen on November 20 this year, compared with 29½ cents on the corresponding day last year.

**Egg production**, as indicated by receipts at the four principal markets (New York, Chicago, Boston and Philadelphia) from October 1 through November 11, was 4.7 per cent less than that of the same period last year, and 9.5 per cent less than that of the same period two years ago.

**Egg consumption**, as shown by trade output at the four leading markets during the six weeks ending November 11, was 8.8 per cent larger than that of the same period last year.

**Cold storage holdings of shell eggs** on November 1 were 8.7 per cent more than those on the same day last year, but 17.1 per cent less than the November 1 five-year average, 1934-38. Frozen eggs in storage on November 1 were 10.5 per cent more than those on November 1 last year, and 7.1 per cent more than the November 1 five-year average. Total case equivalent of both shell and frozen eggs in storage on November 1 was 9.5 per cent more than those held on November 1 last year, but 8 per cent less than the November 1 five year average, 1934-38.

**Total frozen poultry holdings** on November 1 this year were 2 per cent more than those on the same day last year, and 2.8 per cent greater than the November 1 five-year average, 1934-38.

**for 1940, MY GREATEST VALUES . . TOP QUALITY BREEDING AT ROCK BOTTOM PRICES**

Supervised by PENNSYLVANIA DEPARTMENT of AGRICULTURE

B. C. RAFFENSBERGER
Owner, Manager

**PENNSYLVANIA FARMS HATCHERY**
LEWISTOWN • • • PENNA.
STATE SUPERVISED-OFFICIAL BLOOD-TESTED CHICKS

**PENNSYLVANIA FARMS CHICKS STILL FURTHER IMPROVED IN *PROFIT-MAKING* CAPACITY**

Our 11 years have been devoted to building up livability, health, vigor, superior egg-producing and meat qualities of our strains. This year's chicks are the best we ever produced. We can offer them at amazingly low prices only because of our great volume. Last year we tried an experiment: offered our chicks — made better and higher-producing by our State Supervised improvement program—at the very same prices as the year before. Result: we actually doubled our number of customers. So this year we're going to do business on the very same basis. Chicks of still better quality — but prices not increased a cent. Don't miss this opportunity!

**STATE SELECTED • STATE BLOOD TESTED • STATE LEG-BANDED**
**11 Years Under Penn. Dept. of Agriculture Supervision**

We carry on the biggest poultry improvement program and for 11 years have been the largest State supervised hatchery in Pennsylvania. Every breeder individually selected, leg-banded, and bloodtested by Pennsylvania Department of Agriculture. Blood samples tested by tube agglutination method in the State Laboratory.

★ **This Year's Great Breeding Improvement: 2000 Pennsylvania R. O. P. White Leghorn Breeding Males.** These fine R. O. P. Sires have dam's records that run from 200 to 312 eggs per year. Egg size from 24 to 28.8 ounces per dozen. Every bit of our 11 years intensive breeding work has been directed toward production and health.

**WHITE LEGHORNS**
Big, rugged stock . . fine winter layers of big chalk white eggs.

**NEW HAMPSHIRES**
Select bloodlines direct from New England. Flock averages as high as 238 eggs—body weight up to 6.4 lbs. Extraordinary vigor . . fast growing . . great layers.

**PERFECTED HYBRIDS**
Our Famous Egg Cross . . Sex-Linked. Here's hybrid breeding brought to perfection — combining the best qualities of two good breeds. Sexes separated by color, 98-100% accurate.

**Hamp-Rock Pullets** are a marvelous egg bird. Early production, large brown eggs, excellent winter layers.

**Hamp-Rock Cockerels** are unexcelled for broilers, capons, soft roasters.

**THESE LOW PRICES ARE FOR HIGH QUALITY**

**PRICES FOR LOTS OF 100 to 5000**
Add ½c per chick for orders less than 100

| For Delivery December 1st to April 30th | Grade "A" Matings PER 100 | "Special" Matings PER 100 |
|---|---|---|
| WHITE LEGHORNS "Big Type," Straight Run | $ 9.00 | $10.00 |
| WHITE LEGHORN PULLETS, 95% Accurate | 18.00 | 19.00 |
| WHITE LEGHORN COCKERELS, 95% Accurate | 2.00 | 2.50 |
| NEW HAMPSHIRES, Straight Run | 9.50 | 11.00 |
| BARRED ROCKS, WHITE ROCKS, R. I. REDS, WHITE WYANDOTTES, Straight Run | 9.50 | 10.50 |
| HAMP-ROCK "Sex-Linked" CROSS, Straight Run | 11.00 | 12.00 |
| HAMP-ROCK "Sex-Linked" CROSS — PULLETS, 95% Accurate, from U. S. Appr. Breeders | 14.50 | 15.50 |
| HAMP-ROCK "Sex-Linked" CROSS — COCKERELS, 95% Accurate, from U. S. Appr. Breeders | 9.50 | 10.00 |
| HEAVY ASSORTED — No Leghorns — All First Grade Heavy Breed Chicks | 7.50 | |
| ROCK-HAMP BROILER CROSS (Nov.-Dec.-Jan.) | | 11.00 |

| R. O. P. LEGHORNS Record of Performance Sired Breeders | Dams' Records 200-250 Eggs | Dams' Records 250-312 Eggs |
|---|---|---|
| WHITE LEGHORNS "Big Type," Straight Run | $12.00 | $13.00 |
| WHITE LEGHORN PULLETS, 95% Accurate | 22.00 | 24.00 |

**CASH or C. O. D.** You may send payment in full with your order or just send 1c per chick deposit and pay balance to your postman upon delivery. We prepay postage and guarantee 100% live arrival.

**Sexed Chicks — White Leghorns — All Pullets or All Cockerels — Guaranteed 95% Accurate**

***ORDER NOW..*** Take advantage of our big Early Order Discount. Have your flock in full production when prices are highest. Send your order now — we'll ship any date you specify.

**SAVE $5.00 PER 1000 CHICKS**
You can deduct ½c per chick in any quantity from the above price if you mail your order before Dec. 31, 1939.

**FREE** Read our catalog . . . tells how to earn bigger poultry profits. WRITE TODAY!

FREE breed bulletins on N. Hampshires, W. Leghorns, W. Rocks, W. Wyandottes, and Cross-Bred Matings.

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Truslow, the oldest breeding farm in America, offers you stock from *World Record blood lines* at prices you can afford to pay. 60% yearly production is not uncommon with this famous strain which took us 58 years to produce.

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**New Hampshires**
**World's Leading Business Chicken**

Connecticut State Pullorum Clean. Never a Reactor on our Farm. 4,000 Breeders. Flock Established 1929. Book your order today for Kneuer's New Hampshire Chicks. My birds excel in body size and color. They feather early, grow fast and lay well.

I hatch only eggs produced on the home farm. I answer all my own mail and try to deliver better chicks than I advertise.

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*"Featherlay Strain"*
**NEW HAMPSHIRES**
FAST FEATHERING R.O.P. PRODUCTION

A U.S.-N.H. Certified & Approved Flock Pullorum Clean for years. Never a Reactor. Flock average over 200 eggs. R.O.P. average last year 239.80 eggs, 25.65 oz. per dozen, 6.6 lbs. per bird. High N. H. pen 1939 Western N. Y. Contest, 10th entire contest of 68 pens (Standard 13 birds) 90.3% livability. Send for free folder NOW. Prices very reasonable. Satisfaction guaranteed.

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**PRIZE BREEDERS**

Selection of vigorous, healthy Mammoth Bronze, White Holland, and Narragansett Breeding Toms for sale. Pedigree stock. Write today.

I. H. GOODSON, Chocerua, N. H.
RIDGEHAVEN TURKEY FARM


the breed itself, which is of utmost importance. Not just any strain of a good roaster breed will give you the results you desire, and good management and feeding, naturally, are necessary.

### Distinguishing Slips from Capons

Q.—How can you tell the slips from the capons? I think we have a lot of slips in our capons.—S. F., Ill.

A.—Sometimes the amount of testis left is so small that it takes a long time for sufficient amount of the reproductive organs to develop enough to cause a slip. For this reason, some birds look like true capons at six months of age, but are slips by the time they are eight months old. In spite of the greatest care in performing the operation, slips are likely to occur, and the percentage ranges from 50 per cent when the operation is performed by a beginner, down to 5 per cent or less for experts.

Slips develop the characteristics of the male cockerels and should be separated from the capons just as soon as they can be detected, as they will readily predominate over the true capons and retard their development by keeping them away from the feed hoppers and fountains. Slips usually develop red heads and larger combs than true capons; their skeletons do not grow as large; and they are likely to crow, whereas capons do not crow. Generally, the slips possess the same restless disposition as the cockerels; they grow and fatten little or no better than cockerels, and bring only about the same price on the market as cockerels. When dressed, the thigh meat is darker in color than capon meat.

### Cleaning Droppings Boards

Q.—How often should droppings boards be cleaned?—F. D., N. Y.

A.—The frequency with which droppings boards should be cleaned varies considerably. Some poultrymen clean the boards every day or so; others find it necessary to clean the boards only once or twice a week, and still others find it necessary to clean the boards only once every two or three weeks. A lot depends upon just how often this job can be worked into the routine on the individual farm. The droppings should never be allowed to accumulate to such an extent that they give off a great amount of ammonia fumes.

## *Restricted-Front Ventilation*

[Continued from page 4]

owner will have to determine from observation just how much to open the windows and the slots to secure satisfactory ventilation, Wm. C. Sanctuary, Massachusetts State College, sets forth the following general rules:

Summer—Open front as much as possible in combination with through ventilation from windows or slots at rear of house.

Spring and Fall—Close rear openings and end windows. Ventilate with middle windows and slots.

Winter—Ventilate with upper portions of the central windows and the upper slots.

Windy, Winter Weather—Upper portions of the central openings and the middle upper slot.

Severe Weather—Middle upper slot only partly open.

Foggy, Rainy Warm Spells—Open all upper slot valves and sometimes the lower slot valves.

The location of the valve or damper for the lower slot is shown in the diagram on page 15. Note that it is back of the window sill. Under most conditions, the use of the lower slot is not recommended, because it produces the open front effect and does not permit enough recirculation.


**CAREY'S WHITE LEGHORNS**

329 Eggs, 355 Pts. 1936 Penna. Test

**$3.17**
**Profit Per Bird**

W. H. Williams, N. C., made that profit with his Carey White Leghorns which averaged 251 eggs each. It was the best record in the state for poultrymen keeping records in cooperation with North Carolina State College.

**335 Eggs in One Year**

Carey Leghorns are making profits for hundreds of flock owners. Official records up to 335 eggs in one year. Backed by 22 years of breeding for egg production, egg size and livability.

**Best dozen of white eggs** at Ohio State Fair in 1937 and 1939. Largest average egg size, all breeds, for any breeder in the United States having five or more laying test pens in 1936.

✓ Get the complete story why it pays to buy Carey chicks. Write today for a FREE copy of "Carey's Chick News."

**EDWIN CAREY, Rt. 2-E, Marion, Ohio**



*Sunnybrook Chicks*

**PROFIT-BRED from PROVEN STRAINS**
***Our 20th Anniversary***
**BABY CHICKS** HATCHES EVERY WEEK
PULLORUM TESTED SINCE 1921
New Hampshires, Barred Rocks, White Rocks, Wh. Leghorns, R. I. Reds, Cross-Breeds, Broiler Chicks.
**SEXED PULLETS or COCKERELS**
***95% Accuracy Guaranteed***

Our hardy Northern-grown stock will give you low mortality throughout. Early maturity and high average flock production are other qualities that have been bred into Sunnybrook strains.

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**SUNNYBROOK POULTRY FARM**
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**"DRAFT HORSE" STRAIN BARRED ROCKS**
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**BARRED ROCK CHICKS**

Like all Combs' Chicks, they are bred for hardiness, industry, staying qualities. 100% Pullorum Clean. They develop into sturdy, persistent layers of large eggs—or into succulent meaty broilers or roasters. 3,200 Breeders. 30 years' experience. Write for facts and prices. Folder free.

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All your chicks from one flock. Trapnested and Pedigreed. Not a Hatchery but a Breeding Farm. Now booking orders for Moss Barred Cross and Red Chicks. Special price for December. MOSS FARM, Attleboro, Mass.



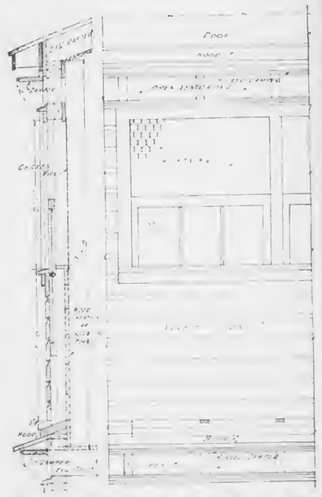
**SUNNYSIDE Reds** • Parmenter - Anderson strains. Reasonably priced chicks hatched by a poultryman for the alert, efficient buyer who wants the best for a little less. New purchases of best Parmenter-Anderson grades insure your profit. Barred Cross or sexed baby pullets. Free circular. F. D. Thomas, R. F. D. Box 87B, Medway, Mass.




## *24x24 Laying House*

[Continued from page 4]

Laying houses should be located to avoid shadows of trees, windbreaks, or farm structures.



Here is a front view and also a cross section of the front of the house with the single sash windows. The dampers and sash should be suspended from cords which are counter-weighted. This will make more accurate adjustments of the openings possible. The lower slot opening above the hood is largely for the drainage of water blown against the windows, but it can be used as an air intake in foggy and rainy weather when the windows have to remain closed. In such cases, the hinged ledge back of the window sill is simply turned back.

A foundation about 24 inches in depth is usually sufficient to give the building a good foundation. This is sufficient to keep rats from burrowing under it. As further precautions against rats, concrete floors are recommended for the first story with all drain and sewer outlets screened. The space between joists and studs, where sheathed, sealed or otherwise closed in, should be rat-proofed with barriers of wire cloth or sheet metal directly above the droppings board and nests and in other places where rats can stand and gnaw into the wall.

### House Should Be Well-Braced

In two-story poultry buildings, 2 by 4-inch framing must be used for side walls. A common fault is lack of bracing. It is particularly noticeable where structures are covered with roofing felt. The lack of bracing and nailing was very evident in buildings destroyed in the hurricane which struck New England in the fall of 1938.

The plans for the Massachusetts house make use of short-length lumber which is plentiful in New England. This permits the use of native-grown


This year...it will pay you to try
# HUBBARD'S NEW HAMPSHIRES
*Profit-bred through*
**BALANCED BREEDING**

This year—don't just buy chicks. Buy *breeding*—buy *Balanced Breeding!* Buy a strain known for its vigor, livability, growth, production. Buy the "profit-bred" strain—Hubbard's New Hampshires. Bred scientifically through an 8-point Balanced Breeding program, you'll find these chicks strong, big-bodied, officially Pullorum passed. They live, reach the profit stage quickly, become fine layers. 30-day Full Satisfaction Guarantee. *Sexed day-old pullet and cockerel chicks available.* Rock Cross for broilers. Send for our free catalog.

***What Balanced Breeding means to you***

For 20 years, Hubbard Farms has followed an 8-point Balanced Breeding program. Money-making characteristics have been *bred into* Hubbard New Hampshires—non-profitable features bred *out*. In the bloodstream of every Hubbard chick flow all the qualities you need to make poultry profits.

**Hubbard Farms**
*Branch Hatchery, Lancaster, Pa.*
*Breeding Farm, Walpole, N. H.*
BOX 7, WALPOLE, N. H.



**HOME OF HEAVY LAYERS**

The Kerr breeding farm of 240 acres near Frenchtown is too big to get more than a small part of it in this picture. Here the foundation work is done in breeding the prize-winning Kerr strain of Lively Chicks. Visitors are always welcome. The laboratory at our Frenchtown plant tests the blood of 120,000 breeders every year—for the protection of your flock. Established 1908.

Be sure to get the greater profits awaiting you in Kerr's Lively Chicks. Write for Free Chick Book and Advance Order Discount Offer.

**Kerr Chickeries**

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BRANCH OFFICES: New Jersey: Jamesburg, Paterson, Woodbury; New York: Binghamton, Middletown, Schenectady, East Syracuse, Kingston; Pennsylvania: Lancaster, Dunmore; Massachusetts: West Springfield; Connecticut: Danbury, Norwich; Delaware: Selbyville. (Address Dept. 15.)



**MAPES CHICKS** RESERVE NOW

Sturdy New Hampshires, Leghorns, Barred Rocks—from vigorous Bloodtested breeders. Also Rock-Red Crossbred chicks for profitable broilers. Get folder and prices NOW.
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• BIRD BROS. CHAMPION **Partridge Ply. Rocks** •

Most beautiful and most profitable variety of American breeds. Won every prize at New York Show, Jan. 1935. Breeding stock, mated flocks, single birds, hatching eggs. Free catalog.
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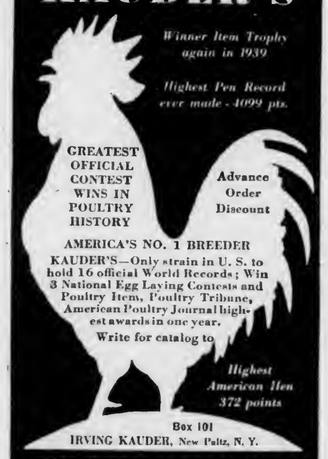


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KAUDER'S—Only strain in U. S. to hold 16 official World Records; Win 3 National Egg Laying Contests and Poultry Item, Poultry Tribune, American Poultry Journal highest awards in one year.

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IRVING KAUDER, New Paltz, N. Y.

**PEDIGREED LEGHORNS and New Hampshires**



**Peckham FARM Reds**

High grade, bred-to-lay stock at farm-profit prices. Practically non-broody, and

**GREAT LAYERS**

We've bred this strain for 15 years

OVER 4000 BIRDS

U.S. Pullorum Clean for years and years
You'll be surprised at our most reasonable prices for Sexed and Straight-run Chicks.

CHICKS and EGGS

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**GOVE'S Barred Rocks**

Layers, Meat or Both? No matter which you want, you get a combination in Gove's Barred Rocks that is hard to beat. It's in the breeding. Gove's Barred Rocks were bred for fast even growth as well as egg size and quantity egg production. Our free catalog explains our breeding, livability, vitality, health, state testing, and production. Don't delay. Write today.

EXTRA EGGS MEAT HEALTH LIFE

GEORGE C. GOVE BOX E RAYMOND, N. H.



**SAUDERS CHIX** EGGS - PULLETS COCKERELS

Big Type LEGHORNS, AUSTRA-WHITES

from blood tested stock specially fed for vigorous chicks. Developed from approved trapnested strains. Backed by our 30 years experience and our guarantee of satisfaction. Special December prices for later delivery.

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**20th CENTURY CHICKS**

2500 STEADY CUSTOMERS AND 40 YEARS' EXPERIENCE CAN'T BE WRONG! Steady buyers prove our chicks are dependable. Special offer for early orders. Write for particulars. 20th Century Hatchery, Box E, New Washington, Ohio.


material, which in some instances, can be harvested from the woodlot. The lumber should not be used "green" because this causes damage to the roof and framing by lessened holding power of the nails. Novelty siding makes a nice looking house when finished, but is not as warm as matched boards and paper unless the house is insulated.

### Types of Roofs

There are several types of roofing which are equally satisfactory for poultry houses. While the initial cost of the different types of roofing varies considerably, there is comparatively little difference in the yearly cost. Among the roofing materials commonly found satisfactory for poultry house construction are prepared roll felt, either smooth, mineral-surfaced, or built up; asphalt shingles; sheet metal, either corrugated or crimped; and stamped shingles, preferably galvanized with a two-ounce or heavier coating of zinc. Wood shingles are satisfactory if the roof is designed to provide sufficient pitch.

### Feed Room Requirements

Feed room requirements differ with building and construction plans and with the general management plan on the various farms. It may be either in the center of the house or at either end of the building. On sloping land, houses can frequently be planned so that feed can be unloaded on the second or third floor. On level ground this can be accomplished by the use of the unloading platform. In buildings four stories or more high, elevators are frequently used. Chutes can be used to carry feed to lower floors.

The best location for the feed room stairway is determined by other activities and arrangements. It is usually best at the rear outside corner of the pens. The door from the feed room into the first laying pen should be heavy and tightly built with strong, double-action hinges because the door must be tightly closed during cold weather.

In large houses it is very desirable to pipe water into the various pens. If the water supply is available, running water is probably the best system. A large pan with an automatic float is a popular system. There are many systems that can be used with success. The drinking fountains are usually located midway between the front and back walls. This places them near the feeders and far enough from the front openings to prevent excessive freezing.

Our results with these houses have been very encouraging. In the most adverse weather conditions, it is possible to ventilate in such a way that litter stays dry. A much higher temperature can be maintained than was thought possible with the open front house and the flock works uniformly over the floor area, even in the most severe weather.


**LEADER WHITE LEGHORNS**

**FIRST FOUR TIMES In Pennsylvania Test**

By topping all breeds at the 1939 Pennsylvania test, Leader White Leghorns repeated their performance of 1933, 1934 and 1936. In 1938, the Leader pen was high Leghorn pen, second pen for all breeds. Here is a remarkable record of consistent performance.

**28 Years of Breeding**

For 28 years, Leader Leghorns have been bred for those qualities that make them pay on commercial egg farms—**high average egg yield, heavy winter production, large egg size, ruggedness.** With 11,000 breeders, grown on range on our 77-acre farm the way nature intended, you are assured of **strong, livable chicks.** All chicks sold are hatched from eggs laid right on our own plant.

**250 to 337 Egg Breeding Bloodtested--Progeny Tested**

Our matings are headed by males that are sons of hens with records from 250 to 337 eggs. They are from the same families that have produced our high record contest birds.

**Order January Chicks Now**—Now is the time to place your order for January and February chicks. Write today for my 1940 price list and my new catalog.

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**REDBIRD FARM**

**WORLD'S LARGEST R. I. RED FARM**
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are **Unbeaten!** They can't be beat for profits, either. Our new picture catalog proves our point. 1940 will be a good year for you—with this strain.

Highest Contest Records in the breed.

EDWARD N. LARRABEE
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**R. O. P. COCKERELS FOR SALE**

A limited number of choice cockerels available, from 240 to 283 egg dams. Write at once, while they last, stating grade desired. Lawton's noted as always for large egg size. Get our FREE CATALOG.

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**WEGATEPA REDS**

Outstanding in livability, feathering and growth. Also **Rock Crosses, Barred, U.S. Mass. R.O.P.** carried on under a real family, progeny testing program. Pullorum Free by Official Test. Send for Catalogue and attractive price list.

WEGATEPA FARMS, Box 13, HARVARD, MASS.




# Laying Tests Summarized

The 16 standard laying tests got off to a good start on October 1, with a total of 15,366 pullets entering the 1939-40 test year. With 13 birds to a pen, and records of all birds counting, this makes 1,182 entries altogether, 42 more than last year, and 69 more than two years ago. Most laying test managers report the pullets in excellent condition.

### Reds Jump into Lead

H. J. Hardin's Rhode Island Reds at Georgia scampered right into the lead, piling up a total of 369 points during the first 31 days. A second Hardin pen of Reds is just 10 points behind the leaders. In third place comes Eben Wood's New Hampshires at Storrs. Crooks Farm's Reds are a good fourth. The next contenders are virtually right on top of one another, with E. B. Parmenter's Reds in fifth place, R. E. & F. H. Kendrick's Reds sixth, J. A. Hanson's Leghorns seventh, J. J. Warren's Reds eighth and ninth, and Kauder's Leghorns tenth. Nine of the 10 highest pens so far this year have higher

**High Pen, 13 Birds, Each Breed to November 1—(31 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| H. J. Hardin | R. I. R. | 367 | 369.10 | Georgia |
| Eben Wood | N. Hamp. | 333 | 350.75 | Storrs |
| J. A. Hanson | Wh. Leg. | 359 | 339.80 | Storrs |
| Norman W. Amidon | Bd.Rk. | 337 | 322.00 | Penna. |
| E. A. Hirt | Wh. Rk. | 307 | 291.45 | Storrs |
| Schwegler's Hthy. | Wh.Wy. | 300 | 288.20 | Penna. |
| Laclede Hatchery | Bl. Aust. | 278 | 246.80 | Okla. |
| Raymond Murphy | Wh. Gt. | 248 | 242.95 | Missouri |
| R. S. Thomas | Ancona | 245 | 211.90 | Penna. |
| Colonial Pl. Farm | Wh.Min. | 162 | 165.30 | Missouri |
| Lindstrom Pl. Fm. | Bf.Min. | 179 | 161.55 | Missouri |
| Famous Pl. Fms. | Leg.Cross | 179 | 161.70 | Georgia |
| Iowa M. Breeders | Bf. Orp | 132 | 127.75 | Missouri |
| Cedarlaid Pl. Fm. | Br. Leg. | 165 | 127.20 | Florida |
| E. J. Covey | Bl. Min. | 84 | 77.65 | Texas |
| Charles A. Richardson | Bf.L. | 77 | 61.45 | N.Y. State |
| S. E. Raymond | Lamona | 24 | 23.80 | Storrs |
| Harry Phillips | Col. P. Rk. | 17 | 15.75 | Missouri |
| Walter Dobe | Barne. | 1 | .90 | West. N.Y. |
| R. L. Jones | Lt. Brahma | 1 | .85 | Hunt., N.J. |

**High Hen Each Breed to November 1—(31 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| W. C. Mullins | R. I. R. | 31 | 33.05 | Texas |
| George M. Heberer | W.Leg. | 30 | 32.60 | Texas |
| Eben Wood | N. Hamp. | 30 | 31.85 | Storrs |
| Norman W. Amidon | Bd.Rk. | 29 | 31.00 | Penna. |
| John Spangenburg | Wh. Rk. | 30 | 30.85 | Maine |
| Raymond Murphy | Wh. Gt. | 27 | 27.80 | Missouri |
| Lindstrom Pl. Fm. | Wh.Wy. | 28 | 27.50 | Missouri |
| T. D. Brown | Wh. Min. | 21 | 25.30 | Texas |
| Iowa M. Breeders | Bf.Orp. | 26 | 24.60 | Missouri |
| S. E. Raymond | Lamona | 24 | 23.80 | Storrs |
| Laclede Hatchery | Bl.Aust. | 23 | 23.20 | Okla. |
| Henry F. Waitt | Ancona | 27 | 23.20 | Maine |
| Henry F. Waitt | Bf. Min. | 22 | 22.35 | Maine |
| E. J. Covey | Bl. Min. | 23 | 20.55 | Texas |
| Famous Pl. Fms. | Leg.Cross | 22 | 19.90 | Georgia |
| Cedarlaid Pl. Fm. | Br. Leg. | 19 | 15.90 | Florida |
| Charles A. Richardson | Bf.L. | 19 | 15.35 | N.Y. State |
| Harry Phillips | Col. P. Rk. | 11 | 10.40 | Missouri |
| Walter Dobe | Barne. | 1 | .90 | West. N.Y. |
| R. L. Jones | Lt. Brahma | 1 | .85 | Hunt., N.J. |

**High Pen, 13 Birds, to November 1 in Each Standard Test—(31 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| H. J. Hardin | R. I. R. | 367 | 369.10 | Georgia |
| Eben Wood | N. Hamp. | 333 | 350.75 | Storrs |
| R.E. & F.H. Kendrick | R.I.R. | 338 | 345.05 | Rhode Isld. |
| W. C. Mullins | R. I. R. | 329 | 335.55 | Texas |
| Burr's Poultry Fm. | Wh.Leg. | 335 | 326.40 | Penna. |
| George A. Pearce | N. Hamp. | 328 | 323.95 | Hunt., N.J. |
| Foreman Pl. Fm. | Wh.Leg. | 322 | 318.45 | Michigan |
| E. B. Parmenter | R. I. R. | 317 | 317.90 | Florida |
| E. B. Parmenter | R. I. R. | 312 | 314.40 | Maine |
| Alampi Pl. Br. Fm. | R.I.R. | 336 | 313.10 | Pass., N.J. |
| J. J. Warren | R. I. R. | 312 | 311.50 | N.Y. State |
| Nelson's Leg. Br. Fm. | W.L. | 334 | 308.00 | Okla. |
| Foreman Pl. Fm. | Wh.Leg. | 294 | 307.40 | Missouri |
| Baker Pl. Fm. | Wh. Leg. | 321 | 289.80 | Cent. N.Y. |
| E. B. Parmenter | R. I. R. | 287 | 281.80 | West. N.Y. |
| J. A. Hanson | Wh. Leg. | 293 | 259.00 | Arizona |


**HOME R.O.P. STEAD**
*White Rocks* *Rhode Island Reds*

**PROGENY TESTED Sire 2002**
92 Daughters av.
Production Per Bird ..224 Eggs
Total Production ...20,608 Eggs
Egg Wt. per Dozen .....26 oz.
Livability .....95.6%
Qualified for R.O.P. ....70.6%

**BABY CHICKS or SEXED CHICKS**

Every chick sired by a Tested Pedigreed Male from 231 to 315 Egg Dams. 93.2% to 100% family livability average. Special R.O.P. Cockerel Chicks.

**WORLD OFFICIAL RECORD** FOR ALL HEAVY BREEDS
**3715 EGGS; 4001 POINTS FOR 13 HENS**

This season! All Homestead Red Chicks carry direct breeding, same bloodlines that produced our World Record Red Pen. Average 286 eggs; 307 points per Hen. Homestead White Rock Chicks carry same bloodlines that produced our Highest White Rock Pen, all U. S. Egg Contests. White Rock 4-year official av.,—93.2% livability; 225 Eggs; 231 pts.

**Step-Up The LIVABILITY Breeding of Your Flock with Chicks from 221-309 Egg Sires**

Benefit directly with these exceptional advantages of Homestead Chicks. All Homestead breeders are from "Long-Life" hens, 2 to 7 years old. All matings headed by 221 to 309 Egg Sires—from proved families that averaged 232-287 eggs per bird. Each breeding male in all of our matings is from a 3-year old progeny-tested Sire and Dam.

FAMILY-TESTED SIRE. 2 Six Full Sisters Av.
Production per Bird 227 Eggs
Egg Wt. per Doz. ....25 oz.
Livability .....100%

**SAVE 10% — By Ordering Now. Immediate or Future Delivery**

Hatching weekly. Small deposit books chick or egg order now. Saves the discount. New Bulletin: "Feeding for High Production." Send for economical plan of flock improvement.

**Just Published, FREE 24-Page Catalog: "Livability Facts"**

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BIG HENS BIG EGGS

Don't buy chicks until you learn the facts about "Thor-O-Good" Rocks and Leghorns. 1940 catalog now ready. Write today for free copy.

**WILL PUT YOU ON TOP FOR BOTH MEAT AND EGGS**

Broiler raisers who know demand "Thor-O-Good" White or Barred Rock Chicks. Try them and see why.

Our 1938 CHAMPION CONTEST PEN still holds national honors for a 13 bird pen of White Rocks.

TOWNSLEY TRAPNEST FARM and Hatchery, T. S. Townsley, Owner
Box 671E Wilmington, Ohio



**BAGBY SEXED CHICKS** PULLETS or MALES 12 Mo APPROVED BREEDS

Write for SPECIAL ADVANCE ORDER DISCOUNTS. BAGBY Layers made one of the WORLD'S MOST SENSATIONAL LAYING RECORDS with HIGH PEN in 6 DIFFERENT BREEDS in recent Official MISSOURI EGG-LAYING CONTEST! White Leghorns—Barred and White Rocks—Reds—White Wyandottes—Buff Minorcas—all WINNERS! Champion layers and other fine stock produced on our famous Trapnest Breeding Farm. 1939 and '40 will reach great records for BAGBY poultry flocks—it's your opportunity to own chicks from "profit-proved" breeding stock. Over 20 years of breeding quality! Thousands of customers BUY BAGBY year after year. Write for FREE 40-page illustrated catalog. Every worthwhile breed at low prices.

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**Anthony**
**R. O. P.**
**White Leghorns**
**Pedigreed — Trapnested**

We have the largest White Leghorn R.O.P. flock in Penna. with ave. Production of 245 eggs and 25.9 oz. weight.

One of our pullets made the highest record ever made in Penna. R.O.P. with an official record of 340 eggs in 365 consecutive days. Every egg we hatch is produced by our own breeding flock of 8,000 breeders. We still have a few fine White Leghorn breeding males for sale.

We can supply Sexed Chicks. Also have a fine flock of NEW HAMPSHIRE and WHITE PLYMOUTH ROCK breeders.

All growing stock raised on unlimited free range. Over 400 acres of sloping land. Modern buildings and equipment.

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GEORGE M. ANTHONY
STRAUSSTOWN PENNA.



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TURKEY WORLD is an illustrated monthly magazine devoted exclusively to turkeys. Contains newest ideas on turkey raising, both for confinement or open range. Also news of the clubs, shows, marketing organizations, etc. It's the open forum for turkey raisers—every article written by people who know the turkey business.

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WARREN'S MASS. CERTIFIED R.I. REDS

**NEW VICTORY PENNANTS for the WARREN STANDARD**

STORRS · FARMINGDALE · WESTERN N.Y. · RHODE ISLAND · PENNSYLVANIA · VINELAND

Highest Red Pen. In country's hottest competition: 32 pens competing in Red Class.
Highest Pen, All Breeds, and 2nd, 3rd, and 5th Highest Hens, All Breeds.
First High Red Pen, Breeder Class; Second Red Pen, Regular Class.
Second Red Pen, in stiff competition.
High Red Pen, in 2-Year Class; and High Red Hen, same class, Lifetime Records.
High Pen and High Hen, 2-Year Class, Lifetime records.

NOTE: The High Hen in the 2-Year Class, Lifetime Records, at Vineland was the World-Famous "Miss North Brookfield," the "HEN OF THE YEAR" of 1938, on a record of 341 eggs, 370 points. She is now in the 3-Year Class at Vineland. The Year's Honors include also the award of the splendid POULTRY TRIBUNE Trophy for Highest Pen, All Breeds, at the New York State Contest; and the Highest R. I. Red Breeder honors in all contests, in the race for the POULTRY ITEM Trophy. The Commonwealth of Massachusetts has been one of WARREN'S best customers for 8 Consecutive Years. 8 State Institutions, supplied with WARREN'S Chicks by annual contract report an annual production average of 227 eggs per hen. On Sept. 1, 1939, the POULTRY TRIBUNE conferred on J. J. Warren the RECOGNITION AWARD for Reliability and Service.

Straight R.I. Red & Barred Rock-Red Cross Chicks
U.S.-Massachusetts Pullorum Clean since 1929
Hatching every week. Now Booking Spring Delivery Orders. Write for Illustrated Literature and Price List.

J. J. WARREN
Box 14, North Brookfield, Mass.

Bonded Against B.W.D.



**WHO WANTS**
Barred Rocks with Livability & Egg Size
R. I. Reds with Feathering & Livability

- Won two 1939 contests in class.
- Only Barred Rock breeder with 100% livability on two pens or more in 1939.
- High Standard Quality both breeds. Generous Discounts

DAVID T. COHEN
Long Hill Road Box D
Guilford, Conn.



**EBENWOOD'S HAMPS & ROX**

1939 Contests Breed Standings
1 Barred Rock entry..2nd at Maine
4 Hamp. entries .....1st " Passaic
2nd " Penn.
2nd " Farm'dle
3rd " Maine

Big Eggs helped do it.
My R. I. Reds are just as good.

State Tested 100% Pullorum Clean
GOOD STUFF—NO FANCY PRICES
Catalog free. Send for it.

EBENWOOD FARM
EBEN WOOD, PROP.
Box 999 West Bridgewater, Mass.



**HIGH LEGHORN HEN at Penna. Test**

first month, new test, 36 eggs, 29.70 pts. 2ND HIGH PEN AT PENNA. TEST for 1939 with 3211 Eggs and 3475.65 Points. 8th High Leghorn Pen in U. S.
20th Anniversary Breeding Leghorns
CHICKS: Up until January 20, 1940, we offer a 5% discount from regular prices for early chick orders.
Pedigreed Cockerels For Sale
Write today for our 1940 Catalog.
BRYAN J. SNELL, Box 2, WINDSOR, PENNA.




records than the top pen had at the same time last year.

### Mullin's Hen Spurts Ahead

W. C. Mullin's Rhode Island Red at Texas laid an egg a day and reaped a total of 33 points during October to earn the title of "hen of the month." High hen at 13 of the 16 tests was a heavy breed individual, indicating that the heavies are being bred to start right out with a bang!

Seven of the top ten Leghorn entries to date happen to be pens at the Georgia Test. Kauder's Pedigreed Leghorns at Georgia have the honor of being second high in this breed.

George A. Pearce had the runner-up position in the New Hampshire breed. Norman W. Amidon's Barred Rocks at Pennsylvania grabbed the lead in their breed, piling up a big advantage over all Barred Rock opponents. R. R. Parks' Florida entry ranks second.

E. A. Hirt's pen at Storrs edged into first place in the White Rock breed, two points ahead of Kalerok Farm's Pennsylvania entry.

**High Hen to November 1 in Each Standard Test—(31 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| W. C. Mullins | R. I. R. | 31 | 33.05 | Texas |
| E. B. Parmenter | R. I. R. | 30 | 32.75 | Storrs |
| E. B. Parmenter | R. I. R. | 30 | 31.95 | Florida |
| Louis H. Ritzhaupt | R.I.R. | 29 | 31.60 | Okla. |
| H. J. Hardin | R. I. R. | 29 | 31.25 | Georgia |
| R.E. & F.H. Kendrick | R.I.R. | 30 | 31.10 | Rhode Isld. |
| Norman W. Amidon | Bd.Rk. | 29 | 31.00 | Penna. |
| John Spangenburg | Wh. Rk. | 30 | 30.85 | Maine |
| Foreman Pl. Fm. | Wh.Leg. | 28 | 30.60 | Missouri |
| Joachim Br. Fm. | R. I. R. | 28 | 30.50 | N.Y. State |
| E. B. Parmenter | R. I. R. | 28 | 30.15 | West. N.Y. |
| E. B. Parmenter | R. I. R. | 27 | 29.60 | Pass., N.J. |
| Foreman Pl. Fm. | Wh. Leg. | 27 | 29.60 | Cent. N.Y. |
| W. E. Pyles | Wh. Leg. | 29 | 29.40 | Michigan |
| George A. Pearce | N.Hamp. | 29 | 29.30 | Hunt., N.J. |
| Del Rio Farm | N. Hamp. | 26 | 27.70 | Arizona |

**Ten Highest Standard Test Pens in Entire Country to Date—(31 Days)**

| Owner | Breed | Eggs to Date | Points to Date | Test |
|---|---|---|---|---|
| H. J. Hardin | R. I. R. | 367 | 369.10 | Georgia |
| H. J. Hardin | R. I. R. | 360 | 359.20 | Georgia |
| Eben Wood | N. Hamp. | 333 | 350.75 | Storrs |
| Crooks Farm | R. I. R. | 355 | 347.00 | Storrs |
| E. B. Parmenter | R. I. R. | 354 | 345.15 | Storrs |
| R.E. & F.H. Kendrick | R.I.R. | 338 | 345.05 | Rhode Isld. |
| J. A. Hanson | Wh. Leg. | 359 | 339.80 | Storrs |
| J. J. Warren | R. I. R. | 353 | 339.45 | Storrs |
| J. J. Warren | R. I. R. | 349 | 337.85 | Storrs |
| Kauder's Ped. Leg. | Wh.Leg. | 353 | 336.00 | Georgia |

**Average Production and Mortality to November 1 in Each Standard Test**

| Test | Number Birds | Av. Eggs per Bird to Date | Av. Pts. per Bird to Date | Percent Mortality for Oct. | Percent Mortality to Date |
|---|---|---|---|---|---|
| Storrs | 1,300 | 17.25 | 18.61 | .00 | .00 |
| Georgia | 1,352 | 20.14 | 18.36 | .73 | .73 |
| Pennsylvania | 1,079 | 18.30 | 16.65 | .18 | .18 |
| Oklahoma | 650 | 17.36 | 15.80 | .92 | .92 |
| Hunt., N. J. | 650 | 16.90 | 15.58 | .61 | .61 |
| Texas | 1,456 | 16.43 | 15.23 | .00 | .00 |
| Michigan | 741 | 16.30 | 14.88 | .40 | .40 |
| Florida | 1,218 | 15.89 | 14.45 | .16 | .16 |
| Pass., N. J. | 1,144 | 14.21 | 13.20 | .08 | .08 |
| Missouri | 785 | 13.29 | 12.98 | .00 | .00 |
| Arizona | 390 | 14.38 | 12.84 | 1.53 | 1.53 |
| Cent. N. Y. | 910 | 13.33 | 11.89 | .00 | .00 |
| Rhode Island | 650 | 12.03 | 11.47 | 1.23 | 1.23 |
| N. Y. State | 1,105 | 12.29 | 11.47 | .36 | .36 |
| West. N. Y. | 884 | 12.19 | 10.94 | .00 | .00 |
| Maine | 1,627 | 12.02 | 10.87 | .38 | .38 |
| All Tests | 15,366 | 15.52 | 14.24 | .32 | .32 |

**High Pen, Each Breed, for the Year in Illinois (Non-Standard) Test**

| Owner | Breed | Eggs for Year | Points for Year |
|---|---|---|---|
| Walter Swanson | Wh. Leg. | 2159 | 2511.20 |
| Egyptian Hatchery | Bd. Rk. | 2367 | 2307.30 |
| Illinois Hatchery | R. I. R. | 1685 | 1821.60 |
| Mrs. Curtis Manshak | W.R. | 1703 | 1758.70 |
| Corn Belt Htchy. | N.Hamp. | 1247 | 1350.30 |
| Belldear Htchy. | Wh. Wyan. | 1304 | 1320.20 |
| Macomb Htchy. | Bf. Orp. | 1270 | 1305.65 |
| H. R. Harnes | Br. Leg. | 967 | 906.20 |
| Wallace Moody | Bf. Rk. | 847 | 854.75 |

**High Hen, Each Breed, for the Year in Illinois (Non-Standard) Test**

| Owner | Breed | Eggs for Year | Points for Year |
|---|---|---|---|
| Illinois Htchy. | Wh.Leg. | 291 | 314.90 |
| Illinois Htchy. | Bd. Rk. | 279 | 298.35 |
| Curtis Manshak | Wh. Rk. | 261 | 264.40 |
| Corn Belt Htchy. | N. Hamp. | 228 | 250.20 |
| Belldear Htchy. | Wh. Wyan. | 236 | 240.15 |
| Illinois Htchy. | R. I. R. | 217 | 236.50 |
| Wallace Moody | Bf. Rk. | 195 | 198.60 |
| Macomb Htchy. | Bf. Orp. | 190 | 193.50 |
| H. R. Harnes | Br. Leg. | 131 | 147.10 |


*Leading Strain of Reds for 9 Years*

**PARMENTER'S RED**
PEDIGREED SINCE 1915

Last 9 years (1931-1939)
WON (all breeds) 12 contests
HIGHEST RED PEN 26 contests

This year (1938-1939 contests)
Won (all breeds) FLORIDA, 3357 pts.
Highest Red Pen { FLORIDA, 3357 " / WEST. N. Y. 3206 "
Our best 5 pens: Average score 3152 pts.

Our Florida pen was entirely of non-pedigreed pullets. The only other non-pedigreed pen we ever sent out was to Farmingdale, the 1937 contest, and that pen, too, won the contest over all other pens of all breeds.

The pedigree work we have done since 1915 has stamped heavy production all through our flock.

*U.S.R.O.P. Chicks, Eggs, Males*
E. B. PARMENTER, 477 King St. Franklin, Mass.



**WHITE PLYMOUTH ROCK**
BABY CHICKS.. $12. PER 100

All Eggs used are from My Own Breeders. 100% State Tested (BWD free). Tube Agglut. TOLMAN'S ROCKS famous for generations for RAPID GROWTH, EARLY MATURITY. Exactly suited for Broilers and Roasters. Send for FREE Circular.

JOSEPH TOLMAN
I SPECIALIZE ONE BREED, ONE GRADE at ONE PRICE
Dept. E ROCKLAND MASS.



**ANDERSON REDS**
STOCK-EGGS CHICKS
U. S. - MASS. R. O. P.
1938—2nd High Pen all breeds at Storrs, 3672 eggs, 3906 pts. 2nd High Pen at all U. S. Standard tests.
1939—3rd High Red Pen at Storrs First High Red Hen, 345 points.
WRITE FOR FREE CATALOG AND PRICES
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Farm, W. Hanover—Mail Box 15, Rockland, Mass.



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Jasper Chicks, proven by thousands of steady customers to really have what it takes to produce profits. Backed by generations of pullorum free breeders. Breeders whose early maturity, high livability, large egg size and high egg production have made Jasper Farms famous for quality profit-producing chicks. Write today for catalog and prices. Don't delay.

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**CHETEROSIS** QUALITY SEXED CHICKS
90% Accuracy guar. 6000 Pullorum clean Breeders on our own 110 acre farm. Reds, Rocks, Crosses, and Sex-Linked. Your postal to us will pay you big dividends.
CHESTER PILCH, Box 55, Feeding Hills, Mass.


**Ten Highest White Leghorn Pens in Entire Country to Date—(31 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| J. A. Hanson | 359 | 339.80 | Storrs |
| Kauder's Ped. Leghorns | 353 | 336.00 | Georgia |
| C. B. Davidson | 345 | 335.20 | Georgia |
| J. A. Hanson | 345 | 333.15 | Storrs |
| Nelson's Leg. Br. Farm | 352 | 330.10 | Georgia |
| W. E. Pyles and Son | 332 | 327.70 | Georgia |
| W. E. Pyles and Son | 326 | 327.30 | Georgia |
| Burr's Poultry Farm | 335 | 326.40 | Penna. |
| Kauder's Ped. Leghorns | 328 | 323.70 | Georgia |
| Foreman Poultry Farm | 330 | 320.40 | Georgia |

**Ten Highest Rhode Island Red Pens in Entire Country to Date—(31 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| H. J. Hardin | 367 | 369.10 | Georgia |
| H. J. Hardin | 360 | 359.20 | Georgia |
| Crooks Farm | 355 | 347.00 | Storrs |
| E. B. Parmenter | 354 | 345.15 | Storrs |
| R. E. & F. H. Kendrick | 338 | 345.05 | Rhode Isld. |
| J. J. Warren | 353 | 339.45 | Storrs |
| J. J. Warren | 349 | 337.85 | Storrs |
| W. C. Mullins | 329 | 335.55 | Texas |
| E. B. Parmenter | 314 | 328.30 | Rhode Isld. |
| Geo. E. Wells & Son | 334 | 323.50 | Storrs |

**Ten Highest New Hampshire Pens in Entire Country to Date—(31 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Eben Wood | 333 | 350.75 | Storrs |
| George A. Pearce | 328 | 323.95 | Hunt., N.J. |
| R. H. Barteaux | 304 | 317.50 | Penna. |
| Pine Top Poultry Farm | 303 | 310.25 | Storrs |
| Thomas J. Harrold | 340 | 307.20 | Georgia |
| Kauder's Ped. Leghorns | 299 | 303.90 | Georgia |
| Hubbard Farms | 334 | 303.80 | Penna. |
| George A. Pearce | 324 | 302.60 | Pass., N.J. |
| Pine Mountain Valley Fms. | 311 | 292.30 | Georgia |
| Woody's Htchy. & Pl. Fm. | 315 | 287.30 | Georgia |

**Ten Highest Barred Plymouth Rock Pens in Entire Country to Date—(31 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| Norman W. Amidon | 337 | 322.00 | Penna. |
| R. R. Parks | 301 | 283.75 | Florida |
| Woody's Htchy. & Pl. Fm. | 317 | 275.10 | Georgia |
| Dryden Pl. Br. Farm | 304 | 275.00 | Georgia |
| Fuzzydele Farms | 299 | 270.50 | Storrs |
| Stuart W. Smith | 289 | 267.25 | Storrs |
| Broad Acres Farm | 304 | 266.60 | Storrs |
| R. C. Cobb | 279 | 261.70 | Storrs |
| J. W. Schaible | 295 | 261.25 | Hunt., N.J. |
| Dryden Pl. Br. Farm | 292 | 258.15 | Penna. |

**Ten Highest White Plymouth Rock Pens in Entire Country to Date—(31 Days)**

| Owner | Eggs to Date | Points to Date | Test |
|---|---|---|---|
| E. A. Hirt | 307 | 291.45 | Storrs |
| Kalerok Farm | 292 | 289.60 | Penna. |
| John Spangenburg | 291 | 275.50 | Storrs |
| Albert C. Lawton | 296 | 271.30 | Storrs |
| Oscar W. Holtzapple | 310 | 270.90 | Georgia |
| John Spangenburg | 283 | 266.70 | Maine |
| Kalerok Farm | 269 | 263.85 | Maine |
| Townsley Trapnest Farm | 268 | 255.40 | Georgia |
| A. H. Ward Pl. Fm. & Hy. | 283 | 249.35 | Okla. |
| Riley Poultry Farm | 267 | 248.55 | Okla. |

Here are the members of the California Poultry Improvement Commission created by the state legislature at its last session. Their first bit of work was to lay plans for the establishment of an egg laying test to start Oct. 1, 1940. A 10-acre tract has been acquired near Modesto, Calif., and construction of the buildings under a $50,000 appropriation is slated to start early in 1940. Seated, left to right: B. R. Holloway, Van Nuys; Horace Dryden, Modesto, chairman; J. E. Dougherty, San Francisco. Standing: Dr. H. A. Hoffman, Calif. State Dept. of Agriculture; John J. Hunter, Niles; Prof. L. W. Taylor, University of California, Berkeley; Dr. J. R. Beach, University of California; Arthur G. Howard, Rio Linda.

**SCHWEGLER'S "THOR-O-BRED" CHICKS**

You Can Buy Schwegler's Chicks on Partial Payment Plan. Send for Details.

CHAMPION 3-Year Old, all heavy breeds, 1939. Official Record, 701 Eggs; 742.75 Points.

**FIVE WORLD OFFICIAL RECORDS PROVE VALUE**
of EGG BREEDING back of SCHWEGLER'S CHICKS

Start with Schwegler's Chicks! Get same bloodlines and direct breeding from these Official Record Hens. Leghorn, No. 36-8, Champion, all Breeds, Central N. Y., 1939—320 Eggs; 333.20 Points. World Record, 2-year old White Rock Pen. Barred Rock Pen. Wyandotte Hen. World Record, 3-year old Barred Rock Pen. Rhode Island Red Hen. Just a few outstanding records! Strong proof of extra value in 'Thor-O-Bred' Chicks.

BABY CHICKS SEXED CHICKS
White Leghorns
Wh. & Bl. Minorcas
Wh. & Barred Rocks
Rhode Island Reds
New Hampshires
White Wyandottes
Buff Orpingtons
White Giants
Pekin Ducks
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HATCHING NOW

SCHWEGLER-WAY to BETTER POULTRY PROFITS
Completely Described in our New 1940 Bulletin

Easy-to-follow! Save labor. Increases income. Developed for practical poultry raisers. Mrs. O'Grabisz's flock averaged 210 Eggs. Read how she and others increased incomes. Actual figures in Free Bulletin: "Feeding Pullets for Eggs." Interesting! Helpful!

OUR NEW 1940 CATALOG IS READY NOW!
New and Different. Facts, photos show thoughtful improvement back of Schwegler's Chicks. Don't fail to see this 24-Page Book. We will gladly mail you a copy. FREE.

FREE!

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SCHWEGLER'S HATCHERY 203 Northampton BUFFALO, N. Y.

BIG HEALTHY CHICKS *Hatched* FROM BIG EGGS

*Melvin Moul's* **BRENTWOOD POULTRY FARM** *New Hampshires*

Brentwood New Hampshire Chicks have become more popular year after year for one reason. They live to produce profits. It's profits the poultryman wants. Because of the tireless breeding behind all Brentwood chicks they have quality that is hard to beat.

Breeding that has brought out such important and valuable characteristics as fast growth, quick and uniform feathering, extremely low mortality, early maturity and high egg production. That's why Brentwood chicks are such profit makers.

15,000 Breeders. New Hampshire State Accredited
100% B.W.D. free no reactors. Buy Brentwood New Hampshires this year and realize a real profit. Free catalog tells all about our farm and stock. Write today.

BRENTWOOD POULTRY FARM, Melvin Moul, Owner, Box E, Exeter, N. H.



**CHICKS**
MARYLAND U.S.APPROVED & BLOODTESTED

6 POPULAR BREEDS
WH. LEGHORNS — WHITE ROCKS
BD. ROCKS — NEW HAMPSHIRES
WH. GIANTS — RED-ROCK CROSS

To the healthy, well bred chicks our 20 years experience has taught us to produce is added the double protection of a Md. U.S. approved and blood-tested breeding flock. You can't go wrong! Write for catalog and prices.

*ORDER NOW for EXTRA PROFITS*

HAYES POULTRY FARM *and* HATCHERY -- Thurmont, Md.



"Black Leaf 40" KILLS LICE
JUST A DASH IN FEATHERS.. OR SPREAD ON ROOSTS
OUR "Cap-Brush" Applicator makes "BLACK LEAF 40" GO MUCH FARTHER



**AMERICAN**
*Hatcher of Champions*

Complete line of small economical incubators, capacity 96 to 3000 eggs. Ideal for farmers or small specialist breeders, hatch rugged, peppy chicks with stamina. Free catalog.

AMERICAN ELECTRIC INCUBATOR CO.
Dept. F New Brunswick, N. J.



**MAPLE LAWN CHICKS**
Wh. Leghorns, Bar. & Wh. Rocks, R. I. & N. H. Reds & Cross. Straight Run, Pullets & Cockerels. 100% live del. Cash or C.O.D or easy payment plan. Write for Catalog and Details. 4c AND UP
Maple Lawn Poultry Farm, Box B, McAlisterville, Pa.

for BIG EGG PROFITS
Look into VITAPANE

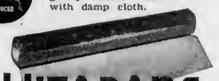
CRYSTAL-CLEAR TRANSPARENT DURABLE GLASS SUBSTITUTE

LETS IN OVER 60% ULTRA VIOLET RAYS

For BIGGER, HEALTHIER CHICKS and INCREASED EGG PRODUCTION
Your poultry needs Vitamin D thru Sun's Ultra Violet Rays!

WEATHERPROOF • SHATTERPROOF
VITAPANE keeps out rain, snow, wind —protects from cold. Gives excellent insulation. Helps maintain uniform temperature and humidity. More light!

DON'T CONFUSE VITAPANE with other glass substitutes. Vitapane is transparent, greaseless, has glassy finish. Wash with damp cloth.



USE VITAPANE In Poultry Houses, Hot Beds, Greenhouses, Sun Porches, Barns, Cabins, and for handy patchwork everywhere.

LESS THAN 6c sq. ft.—GUARANTEED 3 YEARS
(slightly higher in western states)
At your poultry supply, feed, seed, lumber or hardware dealer, or
WRITE FOR FREE SAMPLE

ARVEY CORPORATION
Exclusive Manufacturers of VITAPANE
3454 N. KIMBALL AVE. CHICAGO, ILL.



SAVE Money, Time, Labor —
BUY—Don't Build
POULTRY HOUSES

We are pioneer manufacturers of Sectional Poultry Houses. Now made of fragrant vermin-repelling red cedar. Tight, warm and sturdy. Easily erected without skilled laobr; can be readily taken apart and moved to new site. You save money and get a better building.

FREE Bulletin shows complete line of Poultry Houses, also Nests, Roosts, Gates, etc. Write.

E. C. YOUNG CO. 1 Depot St., Randolph, Mass.

20 x 20 ft. Combination Brooder and Laying House, $175.00. Freight Prepaid to nearby States. Capacity: 700 Chicks (Two Broods) or 120-140 Pullets

Now ONLY $8.50
BROWER'S "Sentry" ELECTRIC

Automatic Thermostat Control. Cap. 100-125 chicks. 30" in diameter. Complete, ready to operate. Save Delay. Order Now. Write for Catalog.
BROWER MFG. CO. Box 3986 Quincy, Ill.
30 DAYS TRIAL



• BIRD BROS. win again •
Clean sweep of prizes again at New York Show, Jan. 1935. Obtain rich Goldbank Bronze blood through purchase of stock or eggs. Write for catalog and prices. Highest winners at Garden more than score of years.
BIRD BROS. Box J MEYERSDALE, PA.


EPM Advertisers Are Reliable



## *Tremulous Air Cells*

[Continued from page 6]

used, and in the other, the same material was used, except the eggs were placed in every other space in the fillers. Of the three rigidly packed lots, two were in the ordinary fillers and cup flats, one with sawdust filling the spaces around the eggs, and in the other, the eggs were wrapped with newspaper before they were placed in the fillers. The third rigid type pack was made up of the prong type fillers and flats. This type is used to some extent commercially and its construction is such as to hold the eggs rigidly.

The eggs were candled before they were shipped. All cracked eggs and those with other than normal air cells were eliminated. After shipment the eggs were candled again and classified in respect to the extent that the air cell deviated from the normal. Eight grades were made as follows; free moving air cells, very badly tremulous air cells moving but not entirely free, badly tremulous, tremulous plus, slightly tremulous, slight movement at the edge of the air cell, almost normal and normal.

### Results of Packing Tests

Table 1 shows the results of the shipment of eggs. These data show quickly the relative value of each pack and indicate that fewer eggs are found with tremulous air cells in lots packed rigidly than in loose packs. It is also evident from these data that at least one major cause of tremulous air cells is the present type of container now used and that tremulous air cells can be eliminated to a large extent by the use of rigid packs.

The data in Table 2 give the results of shipping eggs in different packs a distance of approximately 1800 and 2400 miles. It is readily ascertained from the table that there is a significant difference in the condition of the air cells due to the distance the eggs were shipped. There were fewer eggs with tremulous air cells in the eggs shipped 1800 miles than in those shipped 2400 miles. This indicated that the distance shipped and the additional handling necessary is another cause of tremulous air cells. In this case, however, the difference was not as great as the type of pack.

### Pack Eggs Large End Up

In further experiments, it was found that jarring eggs with the large end down produced tremulous air cells more quickly than when the small end was down. Hence, eggs should be shipped for market or for hatching purposes with the large end up. In another part of the experiment, it was found that eggs with the air cells entirely free from the outer shell membrane, tremulous air cells, do not hatch as well as eggs with normal air cells. Seventy-seven per cent of the fertile eggs with normal air cells hatched and 56 per cent of the fertile eggs with tremulous air cells hatched.

From these experiments it may be concluded that eggs to be shipped for market or hatching purposes, regardless of the distance shipped, should be packed in rigidly and with the large end of the egg up. Avoid all types of packs in which the eggs are packed loosely or where the packing material is "springy" such as is the case with excelsior, straw or any such material. If eggs are packed properly, the shipper can be reasonably assured of the satisfactory arrival of his shipment at its destination.

Table 2—Condition of Air Cells in Per Cent for 1800 and 2400-Mile Trips

| Condition of Air Cells | 1800 Miles | 2400 Miles |
|---|---|---|
| Normal | 58.6% | 41.0% |
| Tremulous | 26.2% | 30.4% |
| Badly Tremulous | 15.2% | 28.6% |


Get the facts about TURKEYS

INVESTIGATE OSBORNE SYSTEM BROAD BREASTED BRONZE AND WHITE HOLLAND TURKEY POULTS
FREE Educational Catalog explains Feeding, Rearing, Breeding and most Disease Problems.
OSBORNE TURKEY FARM
BOX 25 HOLLAND, MICHIGAN


## Colds in Poultry Quickly Relieved

### Wheezing, Rattling and Choking Disappear Usually Within 48 Hours

Readers with colds in their flocks should read this letter from a Kentucky poultryman, Thomas Pulliam. He says:

"I have had birds with their eyes closed from colds, and have saved them all. One cockerel was nearly dead. He lost 3 pounds. I gave him Group-Over and in two weeks he was full of pep and fighting every rooster on the place. Why do people let their birds die? It's so easy to save them with Group-Over."

It is amazing how quickly Group-Over checks colds in poultry. A few drops in the nostrils usually solves the whole problem—while a little in the drinking water, as a preventive, guards the whole flock. For a liberal supply, send 50¢ (or $1 for the extra large size) to Burrell-Dugger Co., 525 Postal Station Bldg., Indianapolis, Ind. As Group-Over must satisfy you perfectly or money refunded, it costs nothing to try.


SAVE on EMPIRE STATE CHICKS
SEXED PULLETS $11.90 UP PER 100
LOW BARGAIN PRICES on extra rugged, healthy chicks from old New England Stock. Rich in the purest bloodline breeding of some of New England's most famous contest winning strains. Many generations 200-300 egg breeding of great, big New England eggs. Our finest quality chicks attain a high standard. 180 to 220-egg flock averages under general farm conditions prove unusual production ability—Breeders' profits of $1 to $2 per bird prove their unusually dependable earning power. Real New Hampshires, big Leghorns, Barred & White Rocks, R. I. Reds; also popular crossbreeds. Chicks as hatched or sex-guaranteed day old pullets and cockerels. Liberal guarantees. BIG DISCOUNTS on early orders. Big FREE CATALOG tells all—write today.
MALES $3.90 PER 100 UP
CATALOG FREE
Empire State Hatchery, Dept. 211SN, 276 Central Ave., Albany, N.Y.



MASSANUTTEN
VIRGINIA CERTIFIED & U. S. APPROVED PULLORUM TESTED
BABY CHICKS
Behind the Name is BREEDING
Free Catalog
MASSANUTTEN HATCHERY, Box D, Harrisonburg, Va.



YOUNG'S New Hampshires
CHICKS — HATCHING EGGS
from an original strain—outstanding in superior breed characteristics—livability, non-broodiness, splendid meat qualities, fine size, type, color, steady egg production—backed by years of quality breeding. Pullorum clean flock. If you want quality chicks or hatching eggs, write today for Catalog and prices. YOUNG'S POULTRY FARM
BOX E DOVER NEW HAMPSHIRE




small end was down. Hence, eggs should be shipped for market or for hatching purposes with the large end up. In another part of the experiment, it was found that eggs with the air cells entirely free from the outer shell membrane, tremulous air cells, do not hatch as well as eggs with normal air cells. Seventy-seven per cent of the fertile eggs with normal air cells hatched and 56 per cent of the fertile eggs with tremulous air cells hatched.

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## *This Month With Your Flock*

[Continued from page 2]

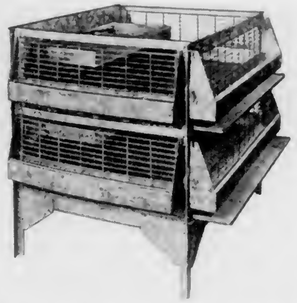
ity drops. Don't hold your eggs, even for a short time, in a dry place. Keep the temperature low — the humidity high!

### Keep Birds Off Top of Nests

If your nests are not already covered with an inclined board or metal roof, make one to keep the birds from perching on top of the nests. A wire screen cover also is effective, although it allows dirt to collect on top of the nests.

### Have a Brush for Each Pen

Having a good, stiff brush to clean the fountains in each pen is a practical, sanitary precaution that merits attention. Here's one way to lessen the chances of carrying disease from one pen to another.



Here is the Arndt-75 battery brooder, a new sectional model having a thermostatically controlled hover with pilot light in every deck. From one to five or more decks can be stacked on one chassis. Each deck has a brooding capacity of 100 chicks for 10 days, or 75 chicks for 28 days.

The "FEEL TEST" WON for B-B!

An experience recently reported by one of our salesmen strikingly demonstrates the excellent condition of laying birds when they are fed on B-B Vitamized Layer & Breeder Mash.

An owner of 5,000 laying birds was feeding one pen on B-B Vitamized Layer & Breeder Mash and several pens on a home-mix. While our salesman was assisting this owner in giving a preventive treatment to his flock, 400 birds from both the B-B and home-mix pens were handled. The superior condition of the B-B birds was so instantly apparent the owner decided to put all his birds on B-B immediately. He couldn't afford to keep his birds on home-mix any longer.

There's a point here (owner's name on request) for other home-mix feeders. This owner decided he couldn't wait to compare egg production for it was a foregone conclusion the production of the finely conditioned B-B birds would be way ahead. Why not ask us or your B-B dealer for a free copy of the B-B Complete Poultry Feeding Program and get started on this productive, economical program at once? Maritime Milling Co., Buffalo, N. Y.

CHEAP FARM POWER
PULLFORD makes FORD or CHEVROLET Car into a POWERFUL ECONOMICAL TRACTOR

Plows 5 acres a day. Discs, cultivates, harvests. Does the work of 3 or 4 horses, faster and better. The PULLFORD unit is quickly attached to Model T, A or 1932 V-8 Ford; also to 1926-31 Chevrolet. It's simple, strong, built to last. Use your old car or buy one cheap, and get the advantages of power farming.

WRITE for FREE Catalog, pictures, letters from users, details and low factory prices.

PULLFORD CO., 2980 Elm St., Quincy, Ill.



Cut FEED COSTS
CAMPBELL'S CALCITE GRIT, if fed correctly, will cut feed costs, produce better shells and increase production. Write for full information.
HARRY T. CAMPBELL SONS' CO.
TOWSON BALTIMORE MD.



Coming to
PHILADELPHIA?
Rooms with Bath for $2.75
HOTEL PHILADELPHIAN
39TH AND CHESTNUT STREETS
PHILADELPHIA, PA.



SPEED UP YOUR WING BANDING

National's New "Jiffy" Self-Piercing, Self-Sealing Wing Band. Quickly put on in one operation with special applicator. Secure Tamper-Proof Seal. For day-old chicks or grown birds. Life-time identification. Does not require changing. Postpaid Prices—Numbered: 100-$1.00; 300-$2.75; 500-$4.25; 1000-$7.50; 2000-$14.00. Pliers—$.50 each. Send today for Free Samples and No. 37 Catalog. NATIONAL BAND & TAG CO., Dept. I-768, Newport, Kentucky.



POULTRY SANITATION & Disease Control

By Dr. B. F. Kaupp and Dr. R. C. Surface

A new, practical book for all poultrymen and hatchery operators, written in easily understandable language. This is a complete and thorough reference book of poultry diseases, preventive methods and control practices, and contains an extensive glossary of words and terms dealing with poultry diseases. Contains 82 illustrations, 2 full colored drawings, 420 pages, cloth ... $3.50

CHAPTERS: Sanitation, Hygiene, Housing and Ventilation—Nutrition and Its Relation to Disease—Production, Hatching, Sanitation, Incubation and Brooding—Anatomy and Physiology—Pathology and Disease Processes—How to Use Instruments—How to Perform Autopsy—Chemistry and Action of Drugs—Introduction, Parasites — External Parasitic Diseases — Protozoan Diseases—Internal Parasitic Diseases—Bacteriology and Immunity — Mold Diseases — Bacterial Diseases—Virus Diseases—Turkey Diseases—Duck and Goose Diseases—Non-Infectious Diseases — Prevention Program—Addenda, Glossary of Terms—Index.

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania



LAKEVIEW ANTIGEN TESTED CHICKS

| | |
|---|---|
| White and Brown Leghorns, Reds | 100 |
| Wh. & Bar. Rocks, Mot. Anconas .. | $ 9.00 |
| Wh. and S.L. Wyandottes, Buff Orps. | 10.00 |
| White or Black Minorcas | 12.00 |
| Brahmas, Black or White Jersey Giants | 13.00 |

STARTED CHICKS, 1 week $12-100; 2 weeks $16; 3 weeks, $20; 4 weeks, $25; 5 weeks, $29. Prompt Delivery. We hatch all year around.
LAKEVIEW POULTRY FARM & HATCHERY Box E, Madison, N. J.



Leister's LIVE-PAY CHICKS

Hatched in Elec. Incubators. Hatches Mon. & Thur. Order from ad or write for actual photo catalog. Cash or C.O.D.

| | Non-Sexed per 100 | Pullets per 100 | Cockerels per 100 |
|---|---|---|---|
| Hanson or Large Type | | | |
| Eng. S. C. W. Legs. | $7.00 | $12.00 | $3.00 |
| B. & W. Rocks, Reds | 7.00 | 8.50 | 7.50 |
| NEW HAMPSHIRE REDS | 7.50 | 9.00 | 8.00 |
| BLACK MINORCAS | 7.00 | 12.00 | 3.00 |
| JERSEY WHITE GIANTS | 9.00 | 11.00 | 9.50 |
| Red-Rock Cross | $7.50-100; | H. Mix. | $6.00-100 |

All Breeders Blood-Tested for B.W.D., Stained Antigen method. 100% live del. guar. We pay all postage. Sexing guaranteed 95% accurate.
C.P. LEISTER HATCHERY, Box E, McAllisterville, Pa.

# LOST!

MALE Scottie Dog, entirely black; 4 months old. Baby teeth lonie and missing. Very generous reward. TR 1562.

LOST somewhere between the MILL and the FEED-HOPPER precious VITAMIN A. Generous REWARD will be given for its prompt replacement.

$100 REWARD for return of platinum pearl and diamond lorgnette, left opera night of ...

The oxidation of Vitamin A in feed under ordinary storage conditions is unavoidable. But the alert poultryman makes full replacement by adding SILMO-AA from the dated can.

He is richly rewarded by the increased profits resulting from Faster Growth, Greater Disease Resistance and freedom from the Respiratory and Eye Disorders associated with Vitamin A deficiency.

**SILMO-AA** Guaranteed Vitamin A Content 6,000 U. S. P. Units per Gram

SILMO-AA is the most economical source of Vitamin A on the market. Through its use, poultrymen can add Vitamin A to their rations just before feeding time, direct from the dated can. This is the easy, certain way to assure an adequate supply of Vitamin A.

A gallon of SILMO-AA will treat three tons of poultry feed. If your dealer cannot supply you, write for prices.

**Other SILMO Vitamin Products**

All manufactured under scientific control and biologically tested in our own laboratories.

**SILMO-XX**— Guaranteed 400 A.O.A.C. Chick Units of Vitamin D, and 3,000 U.S.P. Units of Vitamin A per gram.

**SILMO-X**— Guaranteed 200 A.O.A.C. Chick Units of Vitamin D, and 1,500 U.S.P. Units of Vitamin A per gram.

**POULTRY-D**— Guaranteed 85 A. O. A. C. Chick Units of Vitamin D, and 630 U.S.P. Units of Vitamin A per gram.

**VIT-D-100**— A Vitamin D supplement in powdered form. Guaranteed 100 A.O.A.C. Chick Units of Vitamin D per gram.

Write for Two Helpful SILMO Bulletins—Free

**SILMO CHEMICAL CORP.**
Processors of Cod Liver Oil, Vitamin Products, and Vitamin Oils since 1921
Dept. E, VINELAND, NEW JERSEY

LUTY HAWKINS

Chick · Broiler · Layer

**BATTERIES** that are PRACTICAL

Used by America's largest and most successful operators.

*"There's a Reason"*

Send for beautiful illustrated literature for further details.

**HAWKINS MILLION $ HEN**
MT. VERNON, ILLINOIS



TRADE MARK **HOMASOTE**
Insulating and Sheathing Board
Protects against cold, wind and dampness. FREE PLANS — Laying Houses, Brooder Houses, Special Houses for Battery Plants, also Samples of Homasote. Write today.
HOMASOTE COMPANY
Dept. 321 Trenton, New Jersey



**PARKS BARRED PLYMOUTH ROCKS**
WORLD'S OLDEST, GREATEST STRAIN

Customers' CERTIFIED records up to 357 eggs in a year, 148 eggs 148 days. OLDEST CONTEST WINNERS. Our customers CIRCLE THE GLOBE, report excellent laying IN COLD ALASKA, HOT SOUTH AMERICA, FAR AWAY BURMA and ALL OVER U. S. Many foreign governments, dozens of experimental stations and thousands of leading breeders CHOOSE PARKS ROCKS. State Supervised, R.O.P. and Officially Bloodtested. Eggs, Chicks, Youngsters and Breeders. EARLY ORDER DISCOUNTS. 50th anniv. catalog free. Joe Parks & Sons, Box 5, Altoona, Pa.


# Bringing Customers to the *Roadside* Market

By Wade Poston, Jr.

OF all the markets for the sale of eggs, none gives higher returns, when properly managed, than direct selling from roadstands to consumers. By eliminating middleman profits and transportation charges, it allows the poultryman to get a return on his eggs considerably above receipts from wholesalers; and at the same time, it permits him to increase his business by keeping under prevailing retail-store prices.

The average roadstand draws its business from one, two, or at the most, three neighboring communities. The problem is to discover in which of these places newspaper advertising will give the greatest results.

### Who Are the Roadside Buyers?

For practical purposes, we can consider all roadstand shoppers to be women. In order to know just what flavor to give our newspaper advertising, we must inquire into the traits of an imaginary "average" customer:

1. Obviously, this woman drives a car.
2. She is above the ordinary in education.
3. She has an interest in the health of her family.
4. She is in an income group which appreciates the lower-than-store prices which you can (perhaps) offer her.
5. She has some leisure time and would like to have more.

Any advertisement which bears in mind the first two of these points and emphasizes one of the last three is likely to secure her business.

### Newspaper Advertising

Generally speaking, the majority of newspaper advertising tends to be of very low quality. The result is that a well-planned announcement of only 2 by 3 inches, when laid out in accordance with certain attention-getting tricks, has quite as much chance of attracting readers as a costly, but poorly-planned, eight-column spread.

The illustration on this page is a good example of a newspaper advertisement for a roadstand. Notice, first, the use of a picture for eye-pulling value; second, the liberal white margins, to set it off from the rest of the page; and third, the very black type face, stressing the brief copy.

Some suggestions as to what can be said in a 2 by 3-inch space are given at the end of this discussion. Any material written for the purpose should not contain more than 150 letters, or less than 30 words.

### Cost of Advertising

The cost of placing an advertisement like the sample is subject to considerable variation. Very frequently, the best advertising medium is a small weekly newspaper in a suburban town. Rates are usually 40 or 50 cents a column inch—for a weekly advertisement of 3 inches, about $20 in the season. In the big dailies, charges depend largely upon the position of the advertisement in the paper. When inquiring about daily newspaper rates, make sure it is understood that you are a local advertiser, since customarily they are given very worthwhile discounts.

Using a permanent, or "staple" illustration throughout a series of advertisements, such as the silhouette of a chicken, can be turned to great advantage by the roadstand owner if he follows the same plan in his other advertising. The line cut can be used in printing his business stationery—giving it more sales power for direct-mail correspondence with housewives and other markets. The design can also be applied to labels, packages, and egg-cartons. But—most effectively—it can be copied, in increased dimensions, on a painted bulletin, or billboard, erected on the highway near the stand.

Housewives who have read the advertisement in a newspaper will then recognize the picture when they see it at the poultryman's place of business. Employed in this way, the illustration becomes a trade character, similar to the penguin for Kool Cigarettes or the hooded lady for Dutch Cleanser. Of course, the building of a sign entails additional expense; but this is offset by the fact that a well-constructed billboard is fairly long-lasting and can be written off against two or three years of operations.

**EGGS—Hours Fresh**

Our eggs are picked from the nest the same day that we sell them. The freshest eggs that you can buy are eggs bought from the farm.

**CHANTICLEER FARMS**
*On Rt. 47, at Roby Rd.*

Suggested Ad.

## Ad Copy Suggestions

**Down on the Farm**

No other eggs have the delicious flavor and healthfulness of eggs bought fresh from the farm. Prices, too, are helpfully lower. We handle slim budgets with care.

**No "No Parking"**

Our customers forget burly taxi-drivers and costly parking lots by shopping in the country. Yet, we are only 3 miles—or 10 minutes—from the heart of town.

**The City is Hot**

So why go near it? Do your shopping amid country breezes on the farm. Besides our farm-fresh eggs, we have newly-picked vegetables for week-end shopping lists.

**Duck Eggs?**

Did you ever eat a duck egg? Yes, we sell them. Why not try two for breakfast tomorrow? For conservatives, who shudder at the thought, we have farm-fresh chicken eggs, too.

**A Health Hint**

Doctors recommend a hot egg breakfast to ward off sneezes resulting from October's nippy days and nights. For farm-fresh eggs and other harvest-time bargains, come to . . .

Illustrations like these will help to draw attention to newspaper advertisements. Cuts can be made direct from these reproductions at a cost of $2.50 each.


**NOW** Hoffman has the *right* **HYBRID CORN** for *your* farm!!

**FOUR YEARS OF TESTING**

Four years ago Hoffman began testing Hybrids to find the kinds suitable to most all growing conditions. In 44 hand-planted test plots in Pennsylvania and nearby states we planted more than 100 different Hybrids obtained from 14 leading sources. In each plot we duplicated each variety 5 times to take care of soil variation. . . Also 90 strip tests were conducted in 42 counties of Pennsylvania this year, and 24 other strip tests in 7 nearby states.

**UNDER EVERY CONDITION**

In these four years we have also watched actual field crops being raised from many Hybrids. In heavy soils and light, on high lands and low, under wet, dry and normal conditions—until NOW—we are ready to recommend and stand back of the RIGHT Hybrid corn for you.

**Good Reasons**

Hoffman's "Funk G" Hybrid Corn stands up through storms and drought. . . It yields 10% to 30% more corn. . . It is a fine feeding corn—not hard and flinty. It yields heavy silage of good feeding quality.

Top picture shows a field crop of Hoffman "Funk G" Hybrid Corn. Observe that it is easy to husk because it stands up and the ears are of uniform height.

Lower picture shows sturdy, deep roots of Hoffman "Funk G" Hybrid (left) and smaller root system of the other variety.

**SEND TODAY—FOR BIG FREE BOOK**

So, before you select your seed corn for 1940, why not ask Hoffman how you, too, can profit by planting the right HOFFMAN "Funk G" HYBRID on YOUR farm.

*A penny post card will bring you this FREE book. It's about HOFFMAN "Funk G" HYBRIDS and most important of all, "HOW TO CHOOSE THE RIGHT HOFFMAN "Funk G" HYBRID FOR YOUR FARM." Do it today . . . it will pay!*

**A. H. HOFFMAN, INC.** BOX 321, LANDISVILLE, (LANCASTER COUNTY), PA.



**BODINE'S**
**Register of Merit White Leghorns**

Years of U. S. R. O. P. records for egg production plus Official "top-notch" progeny tested breeding for family livability and production — that's the secret behind Bodine's customer success. Our flock produced nearly half of all 300 egg Leghorn hens in New York State the past two years. Our pullets last year averaged 248 eggs, 25.56 ozs. a dozen and 4.63 lbs. body weight.

Pure Hanson strain, 7000 layers, 3000 under Official trapnest—pullorum clean—on a precision-bred 8 sided program, with proper inheritance for profit. *We absolutely guarantee that every chick or egg we sell is 250 to 329 egg U.S. R.O.P. sired*—Approved males of outstanding constitutional vigor, a direct result from our Register of Merit breeding. Bodine's unusual chicks will give you unusual results! Write today for catalog and prices, lower than you'd expect for such quality.

**ELI H. BODINE Box E CHEMUNG, N, Y.**




Please Mention Everybodys When Writing Advertisers

**INVESTIGATE**

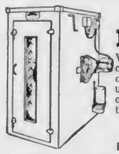
WHITE AUSTRALORP HEADQUARTERS—IMPORTERS OFFICIAL WORLD CHAMPION 353-361-364 Egg Block Australorp Hens. Our FREE educational Catalog shows "PROOF of CUSTOMERS PROFITS."

**OSBORNE POULTRY FARM**
BOX 20 HOLLAND, MICHIGAN

**ACME BATTERIES**
COMPLETE LINE

Planning to enter the poultry business or adding more birds? BE SURE TO INVESTIGATE ACME BATTERIES for Starting, Developing and Laying. Many outstanding practical features, money-making, and bird-saving, make Acme Batteries your best buy. Write for free catalog to ACME BRIDGEPORT CO. (Division of Acme Shear Co.), 1561 Railroad Ave., Bridgeport, Conn.

**SEND FOR FREE CATALOG**



**LINCOLN INCUBATORS**

Why pay more when Lincoln's well constructed machines give such excellent performance? Finest redwood used, sturdy hardware, most modern controls. Hatching capacity: 1,300 to 10,000 eggs.
Ask us for our illustrated catalog.
LINCOLN MFG. CO.
Dept. E, NEW BRUNSWICK, N.J.

**BROWER'S WoodMaster**

Burns any wood, even heat. Holds fire 48 hours. Automatic Thermostat control. 500-800 Chick capacity. Write for 100 page Catalog showing World's Largest Line of Brooder and Poultry Supplies.

30 DAYS TRIAL
Easy Payment

BROWER MFG. CO.
Box 3988 Quincy, Ill.

**GIVEN AWAY!**

Gorgeous Birthstone **Ring; Bracelet** or **Pendant** to match in solid sterling silver, **Your Size and Month**, your choice **FOR** selling 4 boxes Rosebud Salve at 25c each. **Order 4 salve** and new catalog. Send No Money.
**ROSEBUD PERFUME CO., BOX 43, WOODSBORO, MARYLAND.**


# News Notes

## CALENDAR OF EVENTS

Dec. 8-10, 4th Rhode Island Poultry Industries Exposition, Cranston Street Armory, Providence, R. I. W. H. Cotter, Jr., Sec., 310 State House, Providence, R. I.

Jan. 3-7, New York Poultry Show, New York City, N. Y. Fred H. Bohrer, Sec.-Treas., Utica, N. Y.

Jan. 15-19, Pennsylvania Farm Show, Harrisburg, Pa.

Jan. 17-21, 91st Boston Poultry Show, Boston Garden, Boston, Mass. Paul P. Ives, Chairman, New Haven, Conn.

Jan. 29-Feb. 2, Fourth Annual Baby Chick Show, Ohio State University, Columbus, Ohio. Clair V. Ross Mgr.

July 22-25, International Baby Chick Association Convention, St. Louis, Mo.

Oct. 1-4, 5th Neppco Poultry Industry Exposition, Atlantic City, N. J.

## SHOW DATES

Nov. 29-Dec. 3, Rochester Poultry Show, Rochester, N. Y. Don W. Cook, Sec., 220 Harding Rd., Rochester, N. Y.

Dec. 4-9, 15th Annual Pittsburgh Poultry Show, Duquesne Garden, Pittsburgh, Pa. J. J. Bedel, Sec., 59 Park Street, Millvale, Pa.

Dec. 6-8, Norwich Poultry Show, Norwich, Conn. Lillian E. Dyer, Sec., 3 Hedge Ave., Norwich, Conn.

Dec. 6-10, Detroit International Poultry, Rabbit and Pigeon Show, Convention Hall, Detroit, Mich.

Dec. 7-10, Chicago International Poultry Exposition, Chicago, Ill. Geo. Fletterer, Mgr., P. O. Box 518, Chicago, Ill.

Dec. 7-10, Roanoke Poultry Show, Roanoke Auditorium, Roanoke, Va. W. F. Griggs, Sec., P. O. Box 2111, Roanoke, Va.

Dec. 8-10, Buffalo Poultry Show, Buffalo, N. Y. Edw. F. Baum, Sec., 317 N. Harlem Rd., Snyder, N. Y.

Dec. 8-10, Danbury Poultry Show, Danbury, Conn. Lewis J. Rohde, Sec., 3 Rose St., Danbury, Conn.

Dec. 13-15, Maine State Poultry Show, Exposition Building, Portland, Maine.

Dec. 14-17, Dayton Poultry Show, Dayton, Ohio. Carl F. Schelling, Sec., R. 7, Dayton, Ohio.

Jan. 3-7, 1940, Central States Poultry Show, New Castle, Ind. Wm. Pickens, Sec., Rt. 2, New Castle, Ind.

Feb. 22-25, The New Haven Show, New Haven, Conn. Eric R. Dahlberg, Sec., 450 State St., New Haven, Conn.

**The Maine State Poultry Show,** to be held in Portland, Maine, December 13, 14 and 15, will have as its main attraction the "Maine Cock Crowing Contest." This feature last year drew nearly 100 entries from Maine, and is open to all New England residents this year. A trip to either the New York World's Fair or the Eastern States Exposition at Springfield, Mass., or the cash equivalent is awarded the winner.

**The 91st Boston Poultry Show,** to be staged in the Boston Garden, January 17 through 21, will include a baby chick show, poult and duckling show, "Fair Sample Flock" competition, 4-H and Vo-Ag. judging contests, a pageant of standard-bred poultry, a bantam show, a waterfowl show, a pigeon show and a new contest for the "All American Hen." High hens of each breed in all U. S. egg laying tests will compete for the award and title of "All American" in each breed and variety and for the grand gold metal and title "All American Hen" of all breeds.

A sweepstakes trophy cup valued at $200 will be awarded by the Bundy Incubator Co., Springfield, Ohio, for the Grand championship "Fair Sample Flock." Premium lists for all features at the Boston Show can be obtained from Paul Ives, 116 Church St., New Haven, Conn.

**The New Haven (Conn.) Poultry Club** will hold its annual New Haven Show on Feb. 23, 24 and 25, rather than in December, in order to make this show a "grand roundup." Featuring the show this year for the first time will be a Fair Sample Flock Class. A baby chick show and duckling show also will be held. Pigeons, rabbits, turkeys and waterfowl, as well as feeds, supplies and equipment, will be shown.

## CONDITIONS

**Chick Production Up Slightly** — Chicks hatched during October by commercial hatcheries were approximately 1 per cent more than those hatched during October a year ago, according to the U. S. Department of Agriculture.

About 2 per cent more eggs were set during October this year than last year, with the South Atlantic and Central states showing heavy increases, while the New England and Middle Atlantic states showed decreases.

**The egg-feed ratio,** compiled and published weekly by the New York State Department of Agriculture and Markets, shows the number of dozens of eggs required to buy 100 pounds of the laying ration:

| | 1937 | 1938 | 1939 |
|---|---|---|---|
| October 26 ..... | 5.3 | 4.4 | 6.1 |
| November 2 ..... | 5.2 | 4.3 | 6.3 |
| November 9 ..... | 5.1 | 4.5 | 6.4 |
| November 16 ..... | 5.5 | 4.6 | 6.4 |

**1940 Poultry Outlook**—The U. S. Department of Agriculture's annual poultry and egg outlook report, issued November 10, looks upon the 1940 situation as follows:

1. The feed-egg ratio to continue less favorable than a year ago and possibly less favorable than the 1928-37 average.
2. Laying flocks to be somewhat larger than in 1939.
3. Egg production and marketing to be slightly larger than 1939.
4. Hatchings of chicks to be somewhat smaller than the large hatch of 1939.
5. Egg prices for the balance of this year to be less favorable than a year earlier, but higher consumer's incomes in early 1940 are expected to offset heavier egg production, unless the winter is mild.
6. Marketing of poultry meats in first half of 1940 to be more than first half of 1939, but to be smaller in last half of 1940.
7. Prices of chickens to be less favorable in 1939-40 season, but improved in spring of 1940 because of increased consumer incomes.
8. Fall and winter broiler production to be somewhat larger than last year's record high production, unless feed costs increase considerably.
9. Turkey production in 1940 to be somewhat smaller than the record crop of 1939.

## ORGANIZATION

**The Connecticut Farmers Cooperative Auction Association,** Hartford, Conn., had the largest poultry sale in its history on November 15 when 615 crates of poultry were sold at auction.

**The Wooster, Ohio, Egg Auction** entertained more than 350 members and friends at its annual meeting on October 23. Percy S. White was elected director at large, and D. W. Galehouse was elected director for a district consisting of six Ohio counties. Auction Manager Ralph Treat reported that the gross value of eggs and poultry sold during the last fiscal year amounted to $458,689.

Turkeys received a boost when Prof. Willard C. Thompson, head of the poultry department of the N. J. College of Agriculture, appeared before the NBC microphone at New York City on November 7 as guest of Nancy Booth Craig on "The Woman of Tomorrow" feature.




**SAVE MONEY WITH THE ARNDT-75**

*$8.50 Buys This Remarkable Brooder*

With Electric Hoover, Pilot Light and Adjustable Heavy-Duty Thermostat, Feed and Water Pans. For 75 Chicks, First Four Weeks.

The perfect Starting Unit in smaller size, compact, with all conveniences of ARNDT Standard New-Era Sectional Battery Equipment—plus adjustable Contact Heat.

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ARNDT-75 Starting Deck combined with three Growing Decks. (Below) Two Starting Decks on Chassis.

Pete Smith, creator of Metro-Goldwyn-Mayer's movie short, "Let's Talk Turkey," which was being shown in movie houses just before Thanksgiving, and Sally Payne with a wishbone from the turkey Pete has just hacked and chopped in an attempt to carve it. The movie depicts the futile efforts of Abner J. Pfoodlebean to carve a turkey at the table without success, then shows how an expert meat cutter, Max O. Cullen, does the job.


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The Versailles Auction Members Meet—Some 400 members and friends of the Versailles, Ohio, Egg Auction attended the second annual meeting of the organization on November 3. Manager Ralph M. Crooks reported that 30,748 cases of eggs were sold during the year ending Sept. 2, 1939, with 86 per cent coming from Ohio, and 14 per cent coming from Indiana. Total membership now numbers 477.

**The New Jersey Federated Egg Producers Cooperative Association,** Toms River, N. J., has broken ground for a new $12,000 warehouse and office building. The new building will be of fireproof concrete construction, 40 by 100 feet in size, one story and full basement, the latter to be 9 feet below ground level. Provision has been made for artificial ventilation and glass blocks will allow entrance of light.

This cooperative handled 57,932 cases of eggs, for a gross of $490,064 during the past year. Present officers are Walter Chamberlain, Kirkwood, N. J., president; Morris Latterman, Toms River, N. J., vice-president; and F. J. Wiedeke, Ocean Gate, N. J., secretary-treasurer and manager.

**The Long Island Duck Growers' Association** has been formed with the following officers elected: Charles H. Wilcox, Moriches, president; Hollis Warner, Riverhead, vice-president; L. A. Devenpeck, Aquebogue, secretary; Harry Baker, Eastport, treasurer.

**The Rockingham County (Va.) Turkey Festival** will be held again in 1940, the board of directors has decided, with October set tentatively as the month for the occasion.

**Neppco and Co-ops Adopt Joint Action Program** — Future united action of all poultry producer organizations in the Northeast was assured on November 3 when the Northeastern Poultry Producers Council and the Northeastern Federation of Egg and Poultry Cooperatives, meeting at New York City, decided to place the


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Hen suffering from infectious laryngotracheitis finds breathing difficult

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Ralph Anderson, well-known breeder of Reds, has just completed this addition to his poultry plant at Rockland, Mass. Plans for this type of house are available in "Poultry House Blue Print Plans," obtainable at 25 cents a copy from Everybodys Poultry Magazine, Hanover, Pa.

budget, the general program of activities and the marketing committee under the joint control of the two executive committees, by interlocking directorates, and by both organizations having the same treasurer.

Keystone of this agreement is the Joint Executive Committee, consisting of Grant Jasper, Hudson, N. H.; James C. Weisel, Frenchtown, N. J., and Leon Todd, Trenton, N. J., for Neppco. Robert Thurrell, E. Wolfboro, N. H.; John B. Randall, Springfield, Mass.; and E. J. Lawless, Jr., Harrisburg, Pa. for the Federation. Grant Jasper was elected chairman of this group. The Marketing Committee drawn from both groups, and headed by Dr. Alfred Van Wagenen of Ithaca, N. Y., will report directly to this joint executive committee.

To further strengthen the bond, the board of directors of each group has assigned two members to full privileges as directors of the other group. E. J. Lawless, Jr. of Harrisburg, Pa., was elected to serve as treasurer of both groups.

The egg quotation committee, under Chairman Fred J. Wiedeke, reported much effort but little progress in establishing a separate quotation for nearby eggs on the New York Produce Exchange. The committee was commended for its efforts and authorized to continue working toward more adequate recognition for nearby eggs. A later resolution directed it to extend its efforts in the direction of a central marketing organization.

Progress was reported on the Exposition to be staged at Atlantic City, October 1, 2, 3, 4, 1940. It will be handled by Jasper, Weisel and Todd, acting for Neppco, with the wholehearted support of the Federation. Hiram Merriman, Suffern, N. Y., long associated with the Neppco and many other expositions, had already laid the groundwork as exposition manager. The annual business conference of the Federation will be one of the features of this Exposition.

**Thurrell Heads Co-ops** — Robert Thurrell, East Wolfeboro, N. H., was elected president of the Northeastern Federation of Egg and Poultry Cooperatives at its annual business meeting held on November 2 and 3, at the Lincoln Hotel, New York City.

To implement joint action with the Northeastern Poultry Producers Council, a new set of By-laws was adopted. Other executive officers elected under this slightly revised set-up were: vice-president, J. C. McCoy of Emlenton, Pa.; and secretary-treasurer, E. J. Lawless, Jr. of Harrisburg, Pa.

Nine directors were also elected with their terms staggered so that three would be replaced each year. One-year directors elected were: C. H. Hind, Allentown, Pa.; Robert Crane, Flemington, N. J.; and Robert Woods, Baldwinsville, N. Y. Two-year directors were Leo Grouten, Farmington, Conn.; Carter Keane, Klimrock, Va.; and Frank Makarius, Risley, N. J. Three-year directors elected were J. C. McCoy, Emlenton, Pa.; John B. Randall, Springfield, Mass.; and Robert Thurrell, E. Wolfeboro, N. H. These nine, along with Sanford E. Alger, Jr., and Frank H. Ellis, III, from the Neppco directors, formulate the policies and elect the executive committee of the organization.

**Jasper Again Heads Neppco** — Grant Jasper, Hudson, N. H., twice president of the Northeastern Poultry Producers Council, was again re-elected at the annual business meeting of that organization held on November 2 and 3 at the Lincoln Hotel, New York City.

With him on the executive committee were elected first vice-president, J. C. Weisel, Frenchtown, N. J.; second vice-president, Harold Rotzel, West Medway, Mass.; and third vice-president, Warren C. Newton, Bridgeville, Del.; secretary, Leon Todd, Trenton, N. J.; and treasurer, E. J. Lawless, Jr., Harrisburg, Pa.

Directors were also elected from each of the 13 northeastern states as follows: T. Earle Prouty, Dennysville, Me.; C. H. Palmer, New Haven, Vt.; Andrew Christie, Kingston, N. H.; Sanford E. Alger, Jr., Brockton, Mass.; Homer I. Huntington, Winsted, Conn.; Carl Langenfeld, North Scituate, R. I.; William S. Mapes, Middletown, N. Y.; Charles H. Cane, Rosemont, N. J.; Charles Conway, Greenwood, Del.; H. H. Rieck, Preston, Md.; W. H. Densmore, Roanoke, Va.; Frank H. Ellis, III, Elverson, Pa.; and H. K. Rowley, Mt. Morris, Pa., representing West Virginia.

To fully qualify, each elected director must be ratified by the state poultry association or federation of his state. These 13, along with Robert Thurrell and John B. Randall of the Northeastern Federation of Egg and Poultry Cooperatives organization will determine the policies of the Council.

## MISCELLANEOUS

**New Bill for More Poultry Statistics**—A new bill, H.R. 7616, designed to enable the Secretary of Agriculture to furnish additional statistical information and marketing service for the benefit of the poultry industry, was introduced in the United States House of Representatives on November 3 by Representative Harry B. Coffee of Nebraska.

**Cornell University's Nutrition School**, held at Ithaca, N. Y., November 9, 10 and 11, attracted 215 representatives of the feed industry from 20 states and Canada.

## THE TRADE

**John W. Eshelman & Sons**, Lancaster, Pa., announces the appointment to its staff of Dr. D. M. Warren, as director of nutrition.

Dr. Warren comes to the Eshelman firm from a midwest company where he was director of veterinary research. Formerly, he was pathologist and bacteriologist for the Livestock Sanitary Board for the State of Montana. He is a graduate of Ohio State University, did post-graduate work at the University of Wisconsin, and for a time served on the faculty of Washington State College.

**William F. Allen**, head of the W. F. Allen Company, famed strawberry and small-fruit growers of Salisbury, Maryland, was elected president of the Salisbury bank and vice-president of the County Trust Company of Maryland.

**Ketchum Tamperproof** wing bands have sold to the tune of over a million since this new time-saving band was placed on the market a little over a year ago. More facts about this band can be obtained by writing the Ketchum Mfg. Co., 9 Kay St., Lake Luzerne, N. Y.

**The National Band and Tag Company** has announced a new pendulum type anti-pick control device. Made of aluminum with a stainless steel pin for attachment, it will not rust. Chief feature consists of two red celluloid shields which cover the eyes when the head is raised, but swing out of place when the head is lowered to eat or drink.

**Schwegler Hen Records**—While a White Leghorn hen owned by Schwegler's Hatchery of New York was champion hen over all breeds at the 1939 Central New York Test with 320 eggs and 333.20 points,


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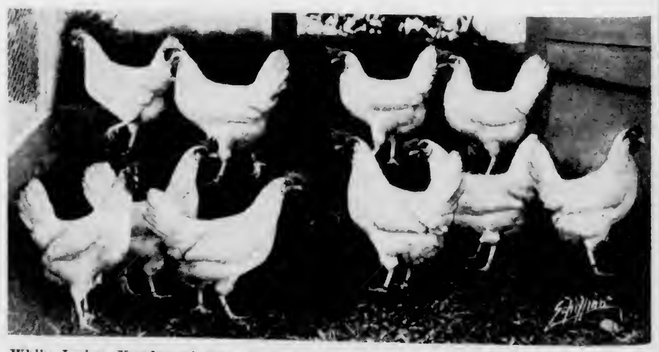

While Irving Kauder of New York established new official world's records for individual birds and pens in the 1939 laying tests, his pen of White Leghorns at the Vineland test set a new official life time record. In four years of laying, these birds produced 10,028 eggs and scored 10,576 points, figured on the basis of a 13-bird pen. The Kauder birds also hold the records for three-year-old pen, five-year-old hen, four-year-old hen, and second, third, fourth and fifth year individual production.




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Take orders for Famous Chicks from neighbors, friends and relatives. Make up to $2.00 per 100. Cash profits paid in advance. More Famous Hybrid Chicks sold than any other kind. World leaders. Thousands chicks hatched daily. Also leading pure breeds from U. S. and Imported blood lines of World's greatest breeders. World's Poultry Congress Winners. No selling experience needed. Full details free. Write—FAMOUS POULTRY FARMS, Box 917, Nelsonville, Ohio or Box 817, Shenandoah, Iowa.

**LYONize For PROFITS**
Build production, cut expenses, with LYON perfected Electric Brooders, Burglar & Fire Alarms, Water Warmers, Switches, Thermostats etc. All units soundly engineered and built for lasting service. Also full line of parts with plans for home assembly. Write today for Free Catalog "E."
LYON RURAL ELECTRIC CO. San Diego, Cal.

**Contest Records Galore!**

Facts are what count! Here are just a few high contest records of Stroehlein Leghorns . . . convincing proof of their ability to lay consistently and profitably for you!

**HIGH HEN ALL BREEDS**
A Stroehlein hen was first over all breeds at the Western New York contest in 1939, with a score of 285 eggs, 311.5 points.

**HIGH PEN ALL BREEDS**
The Stroehlein pen entered in the R.O.P. Progeny Test at Paterson, N. J. for 1939, won first place with a score of 3678 eggs, 3841 points — 200 eggs higher than its nearest competitor.

**OUTSTANDING 5-YEAR AVERAGE**
First, all breeds in lowest mortality, 1935-39 at Passaic test.
First, Leghorns, 1934-38 at Hunterdon, ave. 2967 eggs, 3015.88 pts.
Second, all breeds, 1933-38 at Passaic, ave. 2 57 eggs, 2870 pts.
Second, all breeds, 1935-39 at Passaic test, ave. 2921 eggs, 2979 pts.
First in Leghorns, 1935-39 at Passaic, ave. 2921 eggs, 2979 pts.

**PEDIGREED WHITE LEGHORNS**
**NEW HAMPSHIRES — CROSSBREEDS**
*Write for 1940 Catalog*

**STROEHLEIN BROS.**
**MONTVILLE, NEW JERSEY**

**KASCO FEEDS**

**BETTER FEEDS, in Bags You Can Make into Clothes, Curtains, etc.** You can't beat Kasco Poultry Feeds for building healthier birds and maintaining high production—Best of all, Kasco Feeds come in Kasco Dresprint Bags—made of a fine cotton material you can use to make scores of articles. Your choice of many, dye-fast patterns. See your Kasco dealer today.
**KASCO MILLS, INC.**
TOLEDO, OHIO • WAVERLY, N.Y.

• TRAPNESTED — PEDIGREED •
**TAYLOR'S LEGHORNS**
On our farm we have 4,000 breeding females all bloodtested under State supervision. All males from pedigreed dams with pullet year records from 225 to 302 eggs. Sires' dams 240 eggs or better.
WE BUY NO EGGS—Every chick comes from our own flock bred, fed and raised on our farm. Literature gives details. Write for illustrated free catalog. Taylor's Leghorns are superior.
TAYLOR BROTHERS, Box 582H, Newtown, Penna.

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Kill red mites quick . . Also lice, fleas, bed bugs, and coccidiosis. Spray disease away with Toxite. Sold by dealers everywhere. Write for free book.
Truslow Poultry Farm, Box 14, Chestertown, Md.

# ATZ'S FAMOUS CHIX

**Mrs. Atz Guarantees You That When Better Chix are Hatched, ATZ'S Will Hatch Them**

GUSTA B. ATZ

*When Mrs. Atz was 12 years old, she operated one incubator of 270 eggs which hatched 240 fluffy Barred Rock Chix. All her neighbors marveled at this success.*

*Our output now of 300,000 Chix weekly is evidence of satisfied customers and efficient service.*

Flocks Blood Tested, fall of 1939, for B.W.D. and Typhoid, the most dreaded diseases in Baby Chix.

We Hatch All Popular Varieties. We specialize in SEXING.

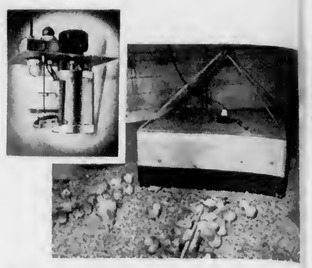
I enjoy the confidence customers are manifesting in us by sending us their hard earned cash, and I am on the alert in countless ways to see that each and every customer gets value received for each dollar sent us for Baby Chix. Parting with cash in advance requires confidence. I repeat that we appreciate this, and personally pledge myself to retain this confidence 100%.

Thousands of repeat orders tell us our prices, quality, and honesty are much favored.

**FREE CATALOG—WRITE TODAY**

We urge you positively to get our beautifully illustrated catalogue in colors before buying. It's free. Write today.

**ATZ'S MAMMOTH HATCHERIES** DEPT. 10 HUNTINGBURG, IND.

**Poultry raisers who like to build things can now make their own electric brooders. The Trumbull Mfg. Co. has brought out the "Brooderator," a unit which contains all the heating and ventilation mechanism. All that has to be built is the hover, and complete directions are furnished. Current consumption is very low, and air circulation is obtained by means of a centrifugal impeller.**

Schwegler hens also hold numerous records in the hen contests.

Among the world pen records for long distance laying held by Schwegler entries are 2 and 3-year old Barred Rocks, and 2-year old White Rocks. Official world hen records are held for 2 and 4-year old Barred Rocks, 2-year old White Rock, and 2-year old White Wyandotte.

**How to Brood Chicks Electrically** is the title of a 16-page bulletin outlining a complete brooding program—getting ready for the chicks, how to ventilate the brooder house, what type house is best, how to start chicks eating right, etc. Free by writing to the National Ideal Company, Toledo, Ohio, mentioning Everybodys.

**Kerlin's Poultry Service Bulletin,** containing an 18-point program of management for increasing poultry profits by getting more eggs, can be obtained by writing Kerlin's Grandview Poultry Farm, 201-B Walnut Rd., Centre Hall, Pa.

## 377-EGG HEN

**Scrappy's Sister** — A full sister of "Scrappy," the 376-egg hen of Walter Chamberlain, Kirkwood, N. J., on display at the Quaker Oats Company poultry congress exhibit last summer, has laid 377 eggs in one year.

Hatched March 30, 1938, she laid her first egg on October 21. The eggs averaged 25½ ounces. On 32 different days during the year, she laid two eggs. Nine sisters of this 377-egg hen had records as follows: 355, 360, 353, 360, 338, 352, 309, 315, 304.

**"Sorry, mister: Pop's gone to market. I'm just the skeleton force here."**

# Helpful Service Brieflets

### Disease

☐ † **D1—Respiratory Diseases.** Gives the symptoms, prevention and control of common colds, roup, infectious bronchitis and fowl pox. 3-cent stamp.

☐ † **D2—Fowl Paralysis.** Tells how to recognize this deadly disease and outlines the known methods of control. 6 cents in stamps.

☐ † **D3—The Control and Prevention of Worms in Poultry.** Shows how to examine the intestines of suspected fowls, and explains how to make treatment effective. 3-cent stamp.

☐ † **D4—Everybodys Poultry Disease Diagnosis Guide.** Shows how to make a post-mortem examination and gives the symptoms of disease for 25 parts of the fowl. 6 cents in stamps.

☐ † **D5—List of State Disease Laboratories.** 3-cent stamp.

☐ **D8—Gasping Diseases in Young Chicks.** Reprint of article by F. R. Beaudette. 3-cent stamp.

☐ **D8—Limberneck.** 3-cent stamp.

### Housing

☐ † **H21—Moisture-Proof Floors for Poultry Houses.** Contains diagrams of six different types of floors. 3-cent stamp.

☐ † **H22—Housing Fundamentals.** Figures on floor space, roost space, litter requirements, number of nests, hopper space, amount of window space and ventilation. 3-cent stamp.

☐ **H23—Built-Up Roofs.** Complete directions, well illustrated, for constructing this durable type of poultry house roof. 3-cent stamp.

☐ **H27—How to Use Insulation in Poultry House Construction.** 3-cent stamp.

### Feeding

☐ † **F30 — Feeding Fundamentals.** Figures on feed consumption, rate of growth, standards of production, dry matter in different forms of milk, and value of a better egg mash. Explains the various vitamins. 3-cent stamp.

### General

☐ † **G40—Plans for a 1500-Hen, One Man Poultry Farm.** 3-cent stamp.

### Breeds

☐ **B50—Which Breed?** Valuable pointers on what to consider when choosing a breed of poultry. 6 cents in stamps.

☐ **B51—Facts About Crossbreds.** 3-cent stamp.

☐ **B52—These New Hampshires.** 3-cent stamp.

### Brooding

☐ **BG70—How to Separate Pullets and Cockerels Early.** 6 cents in stamps.

☐ **BG71—Succeeding with Broilers.** 6 cents in stamps.

☐ **BG72—Battery Brooding Facts.** Tells about temperature, space for chicks, ventilation, causes of breast blisters, ruffled plumage, etc. 6 cents in stamps.

### Management

☐ **M80—27 Questions and Answers on Hen Batteries.** Reprinted from April 1935, issue. 3-cent stamp.

☐ **M81—Egg Cost Calculator.** Tells whether you are making a profit above feed costs. 3-cent stamp.

☐ **M82—Does Forced Molting Pay?** A complete discussion of this practice. 3-cent stamp.

☐ **M83—Getting Better Fertility and Hatchability.** 3-cent stamp.

☐ **M84—Artificial Lights in the Laying House.** 3-cent stamp.

☐ **M85—Cannibalism.** 3-cent stamp.

## HOW TO ORDER BRIEFLETS

Check the brieflets you wish, clip this department, write your name and address on the margin, and mail with your remittance to the Service Bureau, Everybodys Poultry Magazine, Hanover, Pa. If you do not wish to cut this copy of the magazine, simply list the brieflets desired in a letter and mail with your remittance. Those marked (†) are included in Everybodys Poultry Scrap Book which sells for 50 cents a copy.



# Science Marches On!

By Carl H. Schroeder

From the large number of papers presented at the Scientific Sessions of the World's Poultry Congress, some are herewith reviewed. Subjects thought to be of more immediate interest or help to the practical poultry producer have been selected.

**Non-specific disease** conditions are injuries to the anatomical conditions which can not be attributed to any known agent or which can not be classified as a known disease. These non-identifiable conditions, according to J. R. Beach, University of California, were responsible for about 60 per cent of the mortality and 60 per cent of the culls in the college flock. One-third of the birds culled because of unsatisfactory egg production were afflicted with conditions from which recovery was improbable and which should be considered as responsible for making the birds poor producers. Thus, these non-identified or non-specific diseases affect both health as well as production.

Enteritis, that is, inflammation of the intestinal tract, was found to be of particular importance; so were degeneration of the liver and derangement of the kidneys, characterized by swelling and paleness; involvements of the reproductive system, especially ruptured yolks, peritonitis, intra-abdominal eggs.

The data is especially interesting because it includes a large number of apparently healthy surplus birds for which there was no room or use in breeding or feeding experiments and which were sacrificed for the purpose of this study. Probably some of the conditions considered non-specific may some day be found to be phases of the paralysis or leucosis complex. At least that is this writer's suspicion, based upon circumstantial evidence, very circumstantial at that.

Dr. Beach's appraisal of the incidence of these as yet unclassified conditions is of greatest value because it exposes the extent of our ignorance and will stimulate research not only in the field of pathology and bacteriology, but, it is hoped, in other branches of biological sciences. Dr. Beach himself expresses this latter thought, which is right up this writer's alley.

* * *

**How much protein do growing chicks need?** This question is still frequently discussed, especially with regard to the effect of protein intake upon age at first egg. An answer to this question can, of course, not be given in absolute terms since the optimal quantity of protein is influenced to some extent by the quality of the protein. In some quarters the conception still exists that comparatively low protein levels appreciably retard age at first egg and that comparatively high protein levels speed up sexual maturity.

Carver and co-workers at the Washington State College shed some further light on this subject. Using rations containing 13, 15, 17 and 19 per cent protein, they confirm the already well established fact that the pullets on the higher protein levels came into production only "a few days earlier than those fed the lower protein levels." It should be noted that when mash and grains are both fed, all they can eat of either, the pullets will automatically decrease their protein intake with increasing age. At time of sexual maturity the voluntary mash and grain consumption usually represents a protein intake of 13 per cent. Thus, there is no reason to worry about high protein intake with this feeding method.

* * *

**The effect of brooder temperature and humidity** on growth and sexual maturity has been subjected to an interesting study by E. W. Callenbach and J. E. Nicholas at the Pennsylvania State College. The experimental procedure followed in these tests can be described but briefly in the available space. Temperature and humidity were controlled at definite levels and at various ages during the 9 weeks brooding period. Some of the various groups were subjected to dissimilar or even contrasting temperature or humidity or both. Under the conditions of this test, none of these variations and changes had any significant effect on growth or sexual maturity with either the Leghorns or Barred Rocks.

Using the same groups in a test designed to determine the effect of feeding method on sexual maturity, it was observed that contrary to expectations based on protein levels of the diet, the groups on all-mash feed (18.5 per cent protein) laid their first egg at a somewhat later average age than the groups to which mash as well as grains were hopper fed, giving them an opportunity to eat as much of either as they care to eat. If body weight at first egg is a criterion of preparedness for production, however, the groups fed mash as well as grains were heavier at time of sexual maturity.

The authors speculate that perhaps "the physical constitution of the total feed intake may be a more important factor in poultry nutrition than it has heretofore been considered." A more detailed review of the experimental data might suggest plausible explanations on other grounds. Unfortunately, the restrictions placed by the Poultry Congress upon the length of scientific papers precluded the presentation of many essential facts, f.i., mortality, and thus renders difficult a critical review.

* * *

**Resistance to Pullorum disease** is influenced by the number of certain white cells, so-called lymphocytes, in the blood of the chick. In resistant chicks the number of these blood cells is greater. Regardless of the degree of resistance, with increasing age the number of these cells increases, which explains the phenomenon that older birds are more resistant against some diseases, a phenomenon usually referred to as the "age factor of resistance." Exposure to X-ray decreased the number of these protective blood cells and, consequently, also the resistance. The chick's ancestors determine the number of the blood cells, hence the possibility of breeding for disease resistance. These observations by Drs. E. Roberts, L. E. Card and J. M. Severens of the University of Illinois are in accord with similar conclusions by Dr. Jas. T. Culbertson of Columbia University, here reported in an earlier issue.

**"I heard Farmer Jones' wife is gonna cook up a little surprise for him Sunday! I sure hope I'm not it!!"**


## NEW 4-WHEEL TRACTOR AT LOWEST FACTORY PRICES!

A NEW, all-purpose tractor, which costs little more than some of the walking type garden tractors, has been announced. It comes in 5 and 8 H.P. sizes and will do all kinds of farm work. Engine is air-cooled. It has an automobile type gear shift with three forward speeds and reverse. Travels less than one mile per hour for close cultivating and will do 7 miles per hour for road work. Plant clearance is 16 inches and the turning radius only 5 feet. The rear wheel tread is adjustable from 17 to 30 inches between tires. Engines can be equipped to use kerosene or fuel oil and will operate for 3 to 4 cents an hour. A factory-to-farm sales plan makes it the lowest priced, complete, riding tractor on the market. This manufacturer also offers a complete line of garden tractors, both walking and riding types, from 2 to 5 H.P. Complete information and prices may be had by addressing **The Shaw Mfg. Co., Dept. 6012; Galesburg, Kansas; Columbus, Ohio; 5812-K Magnolia Ave., Chicago, Ill.; or 130-K West 42nd St., New York, N. Y.**

**HIGHEST HEN FOR EGGS**

*All Michigan Contests to date (1922 to 1939)*

**MARATHON WHITE LEGHORNS**

combine the bloodlines of sixty Progeny Tested Old Hens with life records of from 800 to 1733 EGGS. "THE HEN THAT LIVES AND LAYS IS THE HEN THAT PAYS." Free Educational Catalog shows "PROOF OF CUSTOMERS PROFITS."

**OSBORNE POULTRY FARM**
BOX 19 HOLLAND, MICHIGAN

**CHICK AGENTS WANTED**

Sell chicks to Relatives, Friends, Neighbors. Make Quick Money, up to $2.50 for 100. Cash profits paid in advance. All chicks guaranteed. Home of Egg Laying Champions of Middle West and Poultry Congress prize winners. Tens of thousands chicks hatched weekly. Pure breeds of top egg blood. Special new breeds for eggs and meat. Hybrids for every purpose. Write for free information. Write for FREE, full details of liberal CASH INCOME PLAN selling Hillview Chicks. **Hillview Poultry Farms, Box 320, Nelsonville, Ohio.**

**Pine Top NEW HAMPSHIRES**

Send for free folder "The Operation of a Breeding Program." Tells how PINE TOP has achieved outstanding success in high production, large eggs, early maturity, high livability. R.O.P., U.S. Approved. 100% Pullorum free. Build up your New Hampshire flock with PINE TOP eggs, stock or chicks with males from Dams with a minimum egg record of 200 eggs. **PINE TOP POULTRY FARMS, INC., Box 371, Tamworth, N. H.**

**How to Select the Laying Hen**

By Lamon and Kinghorne. A practical guide for beginners describing the best methods for profitable culling of the farm flock. 124 pages, illustrated, cloth ... $1.25

EVERYBODYS POULTRY MAGAZINE
Hanover Pennsylvania

## A Useful Gay Trio

**Pattern 9177** . . . "You're the fairest of them all," the mirror on the wall will answer to the reflection of this beautifully-fitting slip. The nice round neckline and the hem, which may be scalloped, look lovely with lace edging. Designed for sizes 34 to 50. Size 36 requires 2⅞ yards 39 inch fabric.

**Pattern 9095** . . . Recipe for smart "at home" wear—this trim, young cotton frock. The high, twin-peaked waistline slims the hips; the wide pointed collar and the cuffs are gay in contrast. Designed for sizes 12 to 20 and 30 to 40. Size 16 requires 3½ yards 35 inch fabric and ⅝ yard contrast.

**Pattern 917** . . . Graceful and slenderizing charm is combined in this soft all-day dress. Curved seams are hip-slimming; ruffles are dainty at the V-neck; the bow ends and the sleeves. And that long front panel magically seems to take off inches. Designed for sizes 36 to 50. Size 36 requires 3½ yards 39 inch fabric.

Price of patterns 15 cents (in coins) each. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

### Join the New Year Fashion Parade

Here It Comes . . . the Hit Dress Parade of 1940. A whole pattern book of vivid new-year styles. Whether you're a collegiate or a deb-about-town . . . a newly-wed or a Mother of three . . . a career woman or a socialite, you'll be inspired by these smart all-occasion outfits, so quickly stitched up at home. Clothes for everyone from active little tot to scale-flipping matron. There are north and south bound winter vacation togs, too. And news for shoppers . . . bags, gloves, shoes, and jewelry. In fact, everything the family needs for a gay, fashionright New Year is here.

Price of book is 15 cents. Order from **Everybodys Poultry Magazine, Pattern Dept., 243 West 17th St., New York City.**

**Artificial Lights in the Laying House**—Tells why the use of lights is a valuable practice; how lights help culls produce; how to use lights properly, amount of lighting needed. Send a 3-cent stamp to Service Bureau, Everybodys Poultry Magazine, Hanover, Pa.

*Conducted by Aunt Sally*

# Everybody's Home Page

## A Merry Christmas

Christmas atmosphere heightened by holly and red berries comes with December. The month when all peoples join in child admiration and celebration of the greatest of all gifts, the Christ-child. May we do our best to see that no little stocking is empty and no child disappointed because of our negligence.

* * *

It is almost the date for the annual trek to the woodlot by the "near kin" children of the family. Trees for each home will be selected and later cut by their daddies. Little mittened hands will gather trailing pine into bundles, tie them with ropes and swing from small shoulders. They will look like an array of brave soldiers, trooping back to the farm home, ruddy cheeked and "starved."

The great long table is theirs today. Last year the favors were Everybodys Orange Circle cookies, with icing green wreaths and clusters of tiny red candies and a candle at the top, giving a brilliant light to each place card. This year Fruit Lollipops will cause a riot of merriment, we hope.

Soaked firm large prunes and figs are simmered for a half day on a warm stove, in a very heavy syrup and set aside over night. Next day lift from the syrup and stand on trays to drip and dry for about 36 hours. Remove the prune seeds and stuff both prunes and figs with nuts to make them plump and resemble heads. Run wooden skewers through marshmallows to form necks, then on up through the fruit. Dip into hot brittle syrup completely covering. Push the free end of the skewers into the tops of nicely polished red apples for bases. Decorate with coconut curls and whiskers, pressed into the soft candy. Use nuts for eyes and slices of red cherries for mouths.

### Good Enough to Eat

America tops the list in exchange of gifts, but the Christmas market basket is as heavily ladened around the world, when possible to make the purchases. Gifts of food at Christmas have traditional importance in every land.

The packages illustrated, present such unusual appearance that they look good enough to eat, don't they? Well, there is promise of good eating beneath the Cellophane, for they may be "specials" from your own kitchen. Suggestion for gifts that you may be certain will not be duplicated, and at a cost within the household budget.

Lovely packages any style, any shape, just so they feast the eyes, that's the secret of Christmas thrill. One product produces this—Cellophane. The next day you are in town, stroll around the novelty counter in the department store and have a look at the assortment of wrappings. Sheets that are plain, colored, designed, appliqued; ribbons of stripes, dots and what have you! It snaps into star forms, bows and tiny Santas without half trying.

**Upper Left**—Fruit cake in new wrapping of the film clear with appliqued stripes of rayon flocking in red. Wide piece of wrapping tied in bow knot across center and trimmed with bow of red and gold ribbon of "Cellophane."

**Upper Center**—Jar of jelly with wrapping of film in striped blue, silver and white. Tied with red and white cord of the film, strung with red, blue, yellow and white metal bells.

**Upper Right**—Plum pudding wrapped in "Cellophane" printed with red poinsettias. Then a doily cut from same "Cellophane" with scalloped edges is placed on paper plate and pudding tied in center with red and silver ribbon of the film which is inserted through slots cut in the plate. Plate edged with red and silver striped Scotch Tape.

**Lower Left**—Popcorn ball wrapped in tango film. Loop for hanging on Christmas tree is made of silver ribbon of the film printed with dogs in red and white.

**Lower Right**—Banjo made of two cookies—one dark one light—backed together and wrapped in clear film then encircled at edges with band of red Scotch Tape. Effect of strings is produced by a flat row of stiff spiral-striped Glassips (drinking straws of "Cellophane"), secured with strips of silver Scotch Tape.

For many years snow white tissue paper and red ribbon spelled correct wrapping for gifts. In recent years, silver and blue lined up as seconds, but this year go modern. Use Cellophane, and even Hubby won't suspect hankies and neckties until he has carefully opened the perky bundles.

### Winners of $1.00 Awards for Stuffed Pudding Recipes

**Crouton or Savory Stuffing**—In a large skillet melt ½ cup butter or fat, ½ teaspoon salt, ¼ cup minced onion, celery or parsley, whatever flavor desired, and 4 cups of diced stale bread. Toss this mixture about until a delicate brown. Sprinkle with 1 cup hot giblet broth and fill into the bird or roast. Crouton stuffing has a different flavor due to the browned bread cubes and will be light and fluffy. When not browned it becomes a delicious Savory filling that can be used as a base for a pint of oyster or 1 cup each of nuts or fruit, for a change. — Mrs. Samuel Ott, Taneytown, Maryland.

**Orange Stuffing** — Bring to the boiling point, 1 cup of water, ½ cup of fat, 4 tablespoons of grated orange rind, ½ teaspoon celery salt, a dash of cayenne pepper and 1 teaspoon of salt. Remove from fire and add ½ cup orange juice, two well beaten egg yolks and 4 cups of stale bread crumbs. Mix well and fill into the fowl. Serve on a hot platter garnished with orange slices and parsley. — Mrs. Ward Stephens, Booneville, Miss.

**Rice or Turkish Stuffing**—Cook ½ pound of rice until half done, in enough boiling water so the rice grains tumble rapidly. Drain, add 12 chestnuts that have been cooked and thinly sliced, ¼ cup of blanched currants and ¼ cup of blanched almonds and ½ cup of melted fat. Season with 1 teaspoon of salt and ¼ teaspoon each, of cinnamon and paprika. A new turkey stuffing.—Mrs. Anna Wolchick, Albion, Pa.

### Favorite Recipe Contest

"Quick Breads" is the subject of the favorite recipe contest for December. Send in your stuffing secret with complete directions for its preparation by December 15, addressing it to Aunt Sally, Everybodys Poultry Magazine, Hanover, Pa. Send only one recipe at a time, writing on one side of the paper. Give level measurements. One dollar will be paid for each contribution published.



# CLASSIFIED ADVERTISEMENTS

CASH WITH ORDER RATES: Plain Ads. 15¢ per word per insertion. Illustrated Ads on classified page, $1.20 an agate line per insertion. Write ad copy plainly. Count each initial and figure as a word, and remit in full for the time ad is to run. No insertion will be made unless cash is received with order. Copy must reach us by the 18th of month preceding date of issue. Mail your advertisement to EVERYBODYS POULTRY MAGAZINE, Classified Ad Dept., HANOVER, PA.

### ANCONAS

HOLD THAT CHICK ORDER! Get our Catalog first. It's free. Big—New Anconas imported from Italy. Trapnested—Pedigreed. Raymond S. Thomas, Box 505, Sciflo, Penna. 72

### AUSTRALORPS

WHITE AUSTRALORP Headquarters — Importers World Champion 353-361-364 Egg Black Australorp Hens. Educational Catalog shows Customers Profits. Osborne Farm, Box 50, Holland, Michigan. 72

### BABY CHICKS

ATZ'S FAMOUS CHIX—200,000 Baby Chix weekly. Barred, Buff and White Rocks; Rhode Island Reds, Buff Orpingtons, Silver Laced and White Wyandottes; Big English White Leghorns, Beautiful Dark Brown Leghorns, Rose and Single Comb; Buff Leghorns, White, Buff and Black Minorcas (Big Type); Blue Andalusians, Anconas and Giants. Prices are always in line. We urge you to get our prices and catalogue in colors before buying. All matured stock bloodtested fall of 1938. We guarantee 100% alive delivery and pay postage; also carry a livability guarantee. We specialize in day-old pullets and cockerels. Our sexers in actual test rated 99% accurate. Mrs. Atz guarantees you that when better chix are hatched, Atz's will hatch them. Atz's Mammoth Hatcheries, Dept. 10, Huntingburg, Indiana. tfbam

DAVIS GUARANTEES YOU 95 out of each 100 sexed chicks will be true to sex. We also expect you to raise 95 chicks out of each 100. If you fail you are then protected by our 14 day iron clad guarantee. Davis prices are always low and quality high. We are regularly furnishing our thousands of customers good broilers and laying stock at low prices. Write at once for our big new 21 page free catalog and complete price list and early order discounts.

Here is what one of our customers has to say about Davis Chicks: "Rosedale, Indiana, Gentlemen: Mortality percentage for 15 consecutive shipments of White Rocks from you has been 3.19% to broiler size or for about 12 weeks. The other hatcheries tried, including some of the better known ones, range from 4.3% up. We have tried exactly 36 hatcheries including yours. I have received a shipment and killed 10% of it before starting them, as compared with no culls from your hatchery. Yours, W. P." Give us your order this year and be sure of satisfaction, profits, and success. Davis Poultry Farm, Rt. 14, Ramsey, Indiana. 70bam

JONES SUPERIOR CHICKS. All Breeds—Including our National Winning Buff Leghorns. Write for catalog and prices. Jones Hatchery, Gallatin, Tennessee. 74bm

EGG SIRED CHICKS, eggs from Hanson Trapnested Pedigreed Leghorns. Early order discount. Free replacement guarantee. Albert Root, Birdseye, Ind. 70

CHICKS OF DISTINCTION. Sexed or Non-Sexed. Thousands hatching weekly. Matured stock bloodtested fall of 1939. Postage Prepaid. Live Delivery guaranteed. Standard Mating (Non-Sexed) Barred, White, Buff Rocks, Reds, White and Silver Laced Wyandottes, Buff Orpingtons, Rhode Island Whites, Buff, Black and White Minorcas; 100-$7.50; 500-$36.50. Anconas, Buff, Brown, Black and English White Leghorns (large type), 100-$7.00; 500-$34.00. White and Black Giants, Black Australorps, 100-$8.50; 500-$41.50. Heavy Assorted $6.50. Light Assorted $5.50. Heavy Breed Pullets (except Giants and Australorps) 100-$7.50; 500-$36.50. Giant and Australorp Pullets 100-$9.00; 500-$41.00. Minorca, all Leghorns and Ancona Pullets 100-$11.00; 500-$54.00. Heavy Cockerels (except Giants) $8.50. Giant Cockerels $10.50. White Leghorn Cockerels $1.75. Light Assorted Cockerels $1.75. AAA Mating prices slightly higher.

Note For all pullets shipped after March 1, 1940 add $2.00 per 100 chicks to above pullet prices, regardless of when order is placed. Be sure and write for our 1940 Calendar Catalog and amazing early order discounts before placing your order elsewhere. We can save you plenty of money. Helzer's Quality Hatchery, Dept. T, New Albany, Indiana. tfbam

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### Cap, Scarf, Mittens—Pattern 6504

Any little girl will be overjoyed to find this wooly set in her Christmas stocking. It's done in simple crochet. Pattern 6504 contains directions for making cap, scarf and mittens in a 4, 6 and 8 year size; materials needed; illustrations of them and of stitches; color schemes.

Send 10 cents in coin for this pattern to **Everybodys Poultry Magazine, Needlework Dept., 82 Eighth Ave., New York City.**

### BABY CHICKS

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